



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 10
1200 Sixth Avenue
Seattle, WA 98101

November 24, 2008

MEMORANDUM

SUBJECT: Data validation report for the Volatile Organic (VOC), Semi-Volatile Organic (SVOC), Organochlorine Pesticide (Pest) and Polychlorinated Biphenyl (PCB) analyses of samples from the Larson Air Force Base Titan Missile Facility S-3 Site Case: 37954 SDG: JAHD7

FROM: Raymond Wu, QA Chemist
Office of Environmental Assessment *RS 11/24/08*

TO: Ken Marcy, Site Assessment Manager
Office of Environmental Cleanup – Brownfield Unit

CC: Alexis Ande, Project Manager
TechLaw, Inc.

The quality assurance (QA) review of 16 soil samples collected from the above referenced site has been completed. The samples were analyzed for VOC, SVOC, Pesticide, and PCB in accordance with USEPA Contract Laboratory Program (CLP) Statement of Work (SOW) for Multi-Concentration Organic Analyses (SOM01.2) by A4 Scientific in The Woodlands, Texas. The following samples were evaluated in this validation report:

SDG: JAHD7

JAHD7	JAHD8	JAHD9	JAHE0	JAHE1	JAHE4	JAHE5
JAHE6	JAHE7	JAHE8	JAHE9	JAHF0	JAHF1	JAHF2
JAHF3	JAHF4					

DATA QUALIFICATIONS

The following comments refer to the laboratory performance specification outlined in the Quality Assurance Project Plan (for Larson Air Force Base Titan S-3 Facility Site, WA) dated July 15, 2008, USEPA CLP SOW for Organic Analysis (SOM01.2, 05/2008), and applicable criteria set forth in the USEPA CLP National Functional Guidelines for Organic Data Review (07/2007). Note that some of the analytical data reported may be qualified based on the professional judgment of the data reviewer.

The conclusions presented herein were based on the information provided for the review.

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Holding Time - Acceptable

All of the samples met the extraction, Validated Time of Sample Receipt (VTSR), and analytical holding time criteria for VOC, SVOC, Pesticide and PCB analyses. The samples were collected on 10/22/08 – 10/23/08, received by the laboratory on 10/24/08, preserved on ice, analyzed for VOC within 14 days of sample collection & extracted within 14 days of sample collection for the SVOC, Pesticide and PCB. The samples were analyzed for SVOC, Pesticide and PCB within 40 days of sample collection. The cooler temperatures, upon the verified time of sample receipt (VTSR), was at 5°C. That was within the acceptable limits of 2-10 °C. None of the data was qualified on this basis.

Instrument Performance Checks - Acceptable

Two GC & Two MS systems were used for the sample analyses which met the performance checks, ion abundance criteria and retention time stability checks. All of the samples were analyzed within acceptable 12-hour QC periods. The instruments used remained stable throughout the course of analyses. None of the data was qualified on this basis.

Initial Calibrations (ICAL)

Volatile

- One Volatile ICAL was evaluated in this report. It met the technical acceptance criteria set forth by the SOW for the percent relative standard deviation (%RSDs), chromatographic resolutions, retention times, and the minimum relative response factors (RRFs) for all target compounds and surrogates with exceptions of the following:

The %RSD for Bromomethane (%RSD @ 38.2) exceeded the 30% QC limit. Recalculations indicated that the instrument was not linear at the highest standard concentration analyzed during the initial calibration. They were qualified as J/None.

Semivolatile

- One Semivolatile ICAL was evaluated in this report. It met the technical acceptance criteria set forth by the SOW for the percent relative standard deviation (%RSD), chromatographic resolutions, retention times, and the minimum relative response factors (RRFs) for all target compounds and surrogates with exceptions of the following:

- The %RSD of 2,4-Dinitrophenol (%RSD @ 35.7) exceeded the 30% QC limit. Recalculations indicated that the instrument was not linear at the lowest standard concentration analyzed during the initial calibration. It was qualified as J/UJ.

Pesticide / PCBs

- The frequency of analysis of ICALs for pesticides and PCBs were met. All of the ICALs met the technical acceptance criteria, i.e. the percent relative standard deviation (%RSD), minimum relative response factors (RRFs), retention time windows, chromatographic resolutions, percent endrin and 4,4'-

DDT breakdown (Pesticide only) for all target compounds and surrogates. None of the results was qualified on the basis of ICAL analyses.

Continuing Calibration Verification (CCV) - Acceptable

The frequency of analysis of CCV checks, chromatographic resolution, percent differences (%Ds) between the mean and daily response (calibration) factors, minimum response factors, retention time shifts and percent DDT and endrin breakdowns (pesticide analyses) were met by all target compounds and surrogates. The recoveries of the pesticide standard mixtures were within the control limits. None of the data was qualified on this basis.

Quantitation Limits - Acceptable

The sample results were adjusted for the amount extracted. All of the sample runs met the contract required quantitation limits (CRQLs). The CRQLs were based on the lowest standard concentration analyzed in the initial calibration. Target compounds that were detected at concentrations less than the CRQLs were qualified as estimated, "J". When applicable, all of the "B", "J", "D" and "E" qualifiers applied by the laboratory were crossed out by the reviewer.

Blanks

The frequency of analysis of blank and surrogate recovery criteria were met by all of the blanks analyzed. There were only trace amount of Methylene Chloride detected in the volatile method blanks and storage blank. When detected in samples, concentrations less than 10x the blank values, were qualified as non-detects, "U", at the level of detection, or reported "U" at the CRQL. All other blanks were clean and none of the data was qualified on this basis.

Analytical Sequence - Acceptable

All of the standards, blanks, samples, and QC samples were analyzed in accordance with the SOW specified analytical sequence. The retention times as monitored by the internal standards (VOC, SVOC) and surrogates (VOC, SVOC, Pesticide, PCB) were within the specified RT windows. All of the sample analyses were within an acceptable 12 hour QC period and were bracketed by technically acceptable CCV check standards. None of the data was qualified on this basis.

Surrogates/Deuterated Monitoring Compound (DMC) Recoveries

Fourteen deuterated VOCs were spiked in all the samples and QCs to evaluate laboratory performance. The 14 DMCs and their corresponding recovery acceptance limits are:

"Volatile Soil"

DMCs	Recovery Limits (%)	DMCs	Recovery Limits (%)
Vinyl chloride -d3 (VCL)	68-122	1,2- Dichloropropane-d6 (DPA)	74-124
Chloroethane-d5 (CLA)	61-130	Toluene-d8 (TOL)	78-121

1,1-Dichloroethene-d2 (DCE)	45-132	trans-1,3-dichloropropene-d4 (TDP)	72-130
2-Butanone-d5 (BUT)	20-182	2-Hexanone-d5 (HEX)	17-184
Chloroform-d (CLF)	72-123	1,4-Dioxane (DXE)	50-150
1,2-Dichloroethane-d4 (DCA)	79-122	1,1,2,2-Tetrachloroethane-d2 (TCA)	56-161
Benzene-d6 (BEN)	80-121	1,2-dichlorobenzene-d4 (DCZ)	70-131

All of the soil volatile surrogate recoveries met the applicable recovery criteria with the exceptions of the following:

Soil Samples	DMC	%Recovery	Qualification Detects/Non-detects	Associated VOCs
JAHD9	DXE	157	J/None	1,4-Dioxane
JAHE1	DXE	171	J/None	1,4-Dioxane
JAHE4	BUT	189	J/None	Acetone, 2-Butanone
JAHE5	BUT	213	J/None	Acetone, 2-Butanone
JAHE6	DXE	154	J/None	1,4-Dioxane
JAHE8	DXE	158	J/None	1,4-Dioxane
JAHF3	DXE	152	J/None	1,4-Dioxane

Surrogates or deuterated monitoring compounds (DMCs) are known concentrations of isotope-labeled acid and base/neutral or polynuclear hydrocarbon compounds added to the field and QC samples prior to extraction for SVOC analyses to monitor the laboratory's performance and efficiency during sample processing, extraction and analysis. The following is the list of DMCs/surrogates added to all field and QC samples prior to sample extraction:

“SVOC Soil”

DMCs	Recovery Limits (%)	DMCs	Recovery Limits (%)
Phenol-d5 (PHL)	17-103	Dimethylphthalate-d6 (DMP)	43-111
Bis(2-chloroethyl)ether-d8 (BCE)	12-98	Acenaphthylene-d8 (ACY)	20-97

2-Chlorophenol-d4 (2CP)	13-101	4-Nitrophenol-d4 (4NP)	16-166
4-Methylphenol-d8 (4MP)	8-100	Fluorene-d10 (FLR)	40-108
Nitrobenzene-d4 (NBZ)	16-103	4,6-Dinitro-2-methylphenol-d2 (NMP)	1-121
2-Nitrophenol-d4 (2NP)	16-104	Anthracene-d10 (ANC)	22-98
2,4-Dichlorophenol-d3 (DCP)	23-104	Pyrene-d10 (PYR)	51-120
4-Chloroaniline-d4 (4CA)	1-145	Benzo(a)pyrene-d12 (BAP)	43-111

Sample	DMC	%Recovery	Qualification Detects/Non-detects	Associated SVOCs
JAHD7	PYR	49	J/UJ	Fluoranthene, Pyrene, Benzo(a)anthracene, Chrysene
JAHD9	FLR	38	J/UJ	Dibenzofuran, Fluorene, 4-Chlorophenyl-phenylether, Carbazole
	PYR	46	J/UJ	Fluoranthene, Pyrene, Benzo(a)anthracene, Chrysene

“Pesticide/PCB Water”

Pesticide/PCB Surrogate (water)	Recovery Limits (%)
Tetrachloro-m-xylene (TCX)	30-150
Decachlorobiphenyl (DCB)	30-150

The recoveries of TCX and DCB were calculated and reported from two GCs & four columns used for both pesticides and PCB analyses. The TCX and/or DCB recoveries were within acceptable control limits in both primary and confirmatory columns on two instruments. None of the data was qualified on this basis.

Matrix Spike/Matrix Spike Duplicate (MS/MSD) - Acceptable

Sample JAHE4 was designated for MS/MSD analyses. The frequency of analysis and percent recovery (%R) passed for each of the spiking analytes with exceptions of 2/18 spiking compounds (eg. Both Pentachlorophenol were < lower QC limit) for the semivolatiles. Because none of the spiking compounds were detected in any of the samples, none of the data was qualified by the reviewer on this basis.

Internal Standards - Acceptable

The acceptance criteria for internal standards (IS) was within +/- 30 seconds for retention time (RT) shifts and 50% to 200% of the IS area as compared to the IS RT and area of the daily continuing verification standard. All of the analyses met the IS area & RT criteria and none of the data was qualified on this basis.

Compound Identification - Acceptable

All of the detected target compounds were within the retention time windows, met the USEPA spectral matching criteria and were judged to be acceptable. None of the data was qualified on this basis.

Tentatively Identified Compounds

Chromatographic peaks in the samples with areas > 10% of the nearest Internal Standard, but were not part of the target compound list, were identified as tentatively identified compounds (TICs) at estimated concentrations, "JN"

Laboratory Contact

The laboratory was contacted to submit two missing pages during this review.

Overall Assessment

The total number of data points evaluated was 2384. As the result of the data validation, data results were qualified as follows: 0.7% of the total data points were qualified as non-detects, "U"; 0.7% of them were qualified due to calibration; 0.5% of them were qualified due to failing surrogates.

The data, as qualified, are acceptable and can be used for all purposes.

Data Qualifiers		
	U	The analyte was not detected at or above the reported result.
	J	The analyte was positively identified. The associated numerical result is an estimate.
	UJ	The analyte was not detected at or above the reported estimated result. The associated numerical value is an estimate of the quantitation limit of the analyte in this sample.
	R	The data are unusable for all purposes.
	N	There is evidence the analyte is present in this sample.
	JN	There is evidence that the analyte is present. The associated numerical result is an estimate.
	L	Low Bias
	H	High Bias
	Q	The result is estimated because the concentration is below the Contract Required Quantitation Limits (CRQLs)
	K	Unknown Bias

1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

JAHD7

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036
 Lab Code: A4 Case No.: 37954 Mod. Ref No.: SDG No.: JAHD7
 Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0009680-01
 Sample wt/vol: 3.66 (g/mL) g Lab File ID: F0412.D
 Level: (TRACE/LOW/MED) LOW Date Received: 10/25/2008
 % Moisture: not dec. 7.1 Date Analyzed: 10/30/2008
 GC Column: DB-624 ID: 0.20 (mm) Dilution Factor: 1.0
 Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)
 Purge Volume: 10.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
75-71-8	Dichlorodifluoromethane	7.4	U
74-87-3	Chloromethane	7.4	U
75-01-4	Vinyl chloride	7.4	U
74-83-9	Bromomethane	7.4	U
75-00-3	Chloroethane	7.4	U
75-69-4	Trichlorofluoromethane	7.4	U
75-35-4	1,1-Dichloroethene	7.4	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	7.4	U
67-64-1	Acetone	15	U
75-15-0	Carbon disulfide	7.4	U
79-20-9	Methyl acetate	7.4	U
75-09-2	Methylene chloride	11	BU
156-60-5	trans-1,2-Dichloroethene	7.4	U
1634-04-4	Methyl tert-butyl ether	7.4	U
75-34-3	1,1-Dichloroethane	7.4	U
156-59-2	cis-1,2-Dichloroethene	7.4	U
78-93-3	2-Butanone	15	U
74-97-5	Bromochloromethane	7.4	U
67-66-3	Chloroform	7.4	U
71-55-6	1,1,1-Trichloroethane	7.4	U
110-82-7	Cyclohexane	7.4	U
56-23-5	Carbon tetrachloride	7.4	U
71-43-2	Benzene	7.4	U
107-06-2	1,2-Dichloroethane	7.4	U
123-91-1	1,4-Dioxane	150	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

RJ
11/20/08

SOM01.2 (8/2007)

000000024

1B - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

JAHD7

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036
 Lab Code: A4 Case No.: 37954 Mod. Ref No.: SDG No.: JAHD7
 Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0009680-01
 Sample wt/vol: 3.66 (g/mL) g Lab File ID: F0412.D
 Level: (TRACE/LOW/MED) LOW Date Received: 10/25/2008
 % Moisture: not dec. 7.1 Date Analyzed: 10/30/2008
 GC Column: DB-624 ID: 0.20 (mm) Dilution Factor: 1.0
 Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)
 Purge Volume: 10.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
79-01-6	Trichloroethene	7.4	U
108-87-2	Methylcyclohexane	7.4	U
78-87-5	1,2-Dichloropropane	7.4	U
75-27-4	Bromodichloromethane	7.4	U
10061-01-5	cis-1,3-Dichloropropene	7.4	U
108-10-1	4-Methyl-2-pentanone	15	U
108-88-3	Toluene	7.4	U
10061-02-6	trans-1,3-Dichloropropene	7.4	U
79-00-5	1,1,2-Trichloroethane	7.4	U
127-18-4	Tetrachloroethene	7.4	U
591-78-6	2-Hexanone	15	U
124-48-1	Dibromochloromethane	7.4	U
106-93-4	1,2-Dibromoethane	7.4	U
108-90-7	Chlorobenzene	7.4	U
100-41-4	Ethylbenzene	7.4	U
179601-23-1	m,p-Xylene	7.4	U
95-47-6	o-Xylene	7.4	U
100-42-5	Styrene	7.4	U
75-25-2	Bromoform	7.4	U
98-82-8	Isopropylbenzene	7.4	U
79-34-5	1,1,2,2-Tetrachloroethane	7.4	U
541-73-1	1,3-Dichlorobenzene	7.4	U
106-46-7	1,4-Dichlorobenzene	7.4	U
95-50-1	1,2-Dichlorobenzene	7.4	U
96-12-8	1,2-Dibromo-3-chloropropane	7.4	U
120-82-1	1,2,4-Trichlorobenzene	7.4	U
87-61-6	1,2,3-Trichlorobenzene	7.4	U

SOM01.2 (8/2007)

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11/20/08

000000025

1J - FORM I VOA-TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

JAHD7.

Lab Name:	A4 SCIENTIFIC, INC.		Contract:	EPW05036		
Lab Code:	A4	Case No.:	37954	Mod. Ref No.:	SDG No.:	JAHD7
Matrix:	(SOIL/SED/WATER)	SOIL	Lab Sample ID:	0009680-01		
Sample wt/vol:	3.66	(g/mL)	g	Lab File ID:	F0412.D	
Level:	(TRACE or LOW/MED)	LOW	Date Received:	10/25/2008		
% Moisture:	not dec.	7.1	Date Analyzed:	10/30/2008		
GC Column:	DB-624	ID:	0.20	(mm)	Dilution Factor:	1.0
Soil Extract Volume:		(uL)	Soil Aliquot Volume:		(uL)	
CONCENTRATION UNITS: (ug/L or ug/kg)	ug/kg	Purge Volume:	10.0	(mL)		

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01				
02				
03				
04				
05				
06				
07				
08				
09				
10				
11				
12				
13				
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18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				
E966796 ¹	Total Alkanes	N/A		

¹EPA-designated Registry Number.

1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

JAHD8

Lab Name:	A4 SCIENTIFIC, INC.	Contract:	EPW05036			
Lab Code:	A4	Case No.:	37954	Mod. Ref No.:	SDG No.:	JAHD7
Matrix:	(SOIL/SED/WATER)	SOIL	Lab Sample ID:	0009680-02		
Sample wt/vol:	4.90	(g/mL)	g	Lab File ID:	F0413.D	
Level:	(TRACE/LOW/MED)	LOW	Date Received:	10/25/2008		
% Moisture:	not dec.	24.9	Date Analyzed:	10/30/2008		
GC Column:	DB-624	ID:	0.20 (mm)	Dilution Factor:	1.0	
Soil Extract Volume:			(uL)	Soil Aliquot Volume:	(uL)	
Purge Volume:	10.0		(mL)			

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
75-71-8	Dichlorodifluoromethane	6.8	U
74-87-3	Chloromethane	6.8	U
75-01-4	Vinyl chloride	6.8	U
74-83-9	Bromomethane	6.8	U
75-00-3	Chloroethane	6.8	U
75-69-4	Trichlorodifluoromethane	6.8	U
75-35-4	1,1-Dichloroethene	6.8	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	6.8	U
67-64-1	Acetone	14	U
75-15-0	Carbon disulfide	6.8	U
79-20-9	Methyl acetate	6.8	U
75-09-2	Methylene chloride	6.9	XU
156-60-5	trans-1,2-Dichloroethene	6.8	U
1634-04-4	Methyl tert-butyl ether	6.8	U
75-34-3	1,1-Dichloroethane	6.8	U
156-59-2	cis-1,2-Dichloroethene	6.8	U
78-93-3	2-Butanone	14	U
74-97-5	Bromoform	6.8	U
67-66-3	Chloroform	6.8	U
71-55-6	1,1,1-Trichloroethane	6.8	U
110-82-7	Cyclohexane	6.8	U
56-23-5	Carbon tetrachloride	6.8	U
71-43-2	Benzene	6.8	U
107-06-2	1,2-Dichloroethane	6.8	U
123-91-1	1,4-Dioxane	140	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

R
11/20/08

SOM01.2 (8/2007)

1B - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

JAHD8

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036
 Lab Code: A4 Case No.: 37954 Mod. Ref No.: SDG No.: JAHD7
 Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0009680-02
 Sample wt/vol: 4.90 (g/mL) g Lab File ID: F0413.D
 Level: (TRACE/LOW/MED) LOW Date Received: 10/25/2008
 % Moisture: not dec. 24.9 Date Analyzed: 10/30/2008
 GC Column: DB-624 ID: 0.20 (mm) Dilution Factor: 1.0
 Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)
 Purge Volume: 10.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
79-01-6	Trichloroethene	6.8	U
108-87-2	Methylcyclohexane	6.8	U
78-87-5	1,2-Dichloropropane	6.8	U
75-27-4	Bromodichloromethane	6.8	U
10061-01-5	cis-1,3-Dichloropropene	6.8	U
108-10-1	4-Methyl-2-pentanone	14	U
108-88-3	Toluene	6.8	U
10061-02-6	trans-1,3-Dichloropropene	6.8	U
79-00-5	1,1,2-Trichloroethane	6.8	U
127-18-4	Tetrachloroethene	6.8	U
591-78-6	2-Hexanone	14	U
124-48-1	Dibromochloromethane	6.8	U
106-93-4	1,2-Dibromoethane	6.8	U
108-90-7	Chlorobenzene	6.8	U
100-41-4	Ethylbenzene	6.8	U
179601-23-1	m,p-Xylene	6.8	U
95-47-6	o-Xylene	6.8	U
100-42-5	Styrene	6.8	U
75-25-2	Bromoform	6.8	U
98-82-8	Isopropylbenzene	6.8	U
79-34-5	1,1,2,2-Tetrachloroethane	6.8	U
541-73-1	1,3-Dichlorobenzene	6.8	U
106-46-7	1,4-Dichlorobenzene	6.8	U
95-50-1	1,2-Dichlorobenzene	6.8	U
96-12-8	1,2-Dibromo-3-chloropropane	6.8	U
120-82-1	1,2,4-Trichlorobenzene	6.8	U
87-61-6	1,2,3-Trichlorobenzene	6.8	U

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11/20/08

1J - FORM I VOA-TIC
 VOLATILE ORGANICS ANALYSIS DATA SHEET
 TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

JAHD8

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036
 Lab Code: A4 Case No.: 37954 Mod. Ref No.: SDG No.: JAHD7
 Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0009680-02
 Sample wt/vol: 4.90 (g/mL) g Lab File ID: F0413.D
 Level: (TRACE or LOW/MED) LOW Date Received: 10/25/2008
 % Moisture: not dec. 24.9 Date Analyzed: 10/30/2008
 GC Column: DB-624 ID: 0.20 (mm) Dilution Factor: 1.0
 Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)
 CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg Purge Volume: 10.0 (mL)

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01				
02				
03				
04				
05				
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07				
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24				
25				
26				
27				
28				
29				
30				
E966796 ¹	Total Alkanes	N/A		

¹EPA-designated Registry Number.

1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

JAHD9

Lab Name:	A4 SCIENTIFIC, INC.	Contract:	EPW05036			
Lab Code:	A4	Case No.:	37954	Mod. Ref No.:	SDG No.:	JAHD7
Matrix:	(SOIL/SED/WATER)	SOIL	Lab Sample ID:	0009680-03		
Sample wt/vol:	4.61	(g/mL)	g	Lab File ID:	F0420.D	
Level:	(TRACE/LOW/MED)	LOW	Date Received:	10/25/2008		
% Moisture:	not dec.	18.2	Date Analyzed:	10/30/2008		
GC Column:	DB-624	ID:	0.20 (mm)	Dilution Factor:	1.0	
Soil Extract Volume:	(uL)		Soil Aliquot Volume:	(uL)		
Purge Volume:	10.0 (mL)					

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
75-71-8	Dichlorodifluoromethane	6.6	U
74-87-3	Chloromethane	6.6	U
75-01-4	Vinyl chloride	6.6	U
74-83-9	Bromomethane	6.6	U
75-00-3	Chloroethane	6.6	U
75-69-4	Trichlorofluoromethane	6.6	U
75-35-4	1,1-Dichloroethene	6.6	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	6.6	U
67-64-1	Acetone	13	U
75-15-0	Carbon disulfide	6.6	U
79-20-9	Methyl acetate	6.6	U
75-09-2	Methylene chloride	5466	JB U
156-60-5	trans-1,2-Dichloroethene	6.6	U
1634-04-4	Methyl tert-butyl ether	6.6	U
75-34-3	1,1-Dichloroethane	6.6	U
156-59-2	cis-1,2-Dichloroethene	6.6	U
78-93-3	2-Butanone	13	U
74-97-5	Bromochloromethane	6.6	U
67-66-3	Chloroform	6.6	U
71-55-6	1,1,1-Trichloroethane	6.6	U
110-82-7	Cyclohexane	6.6	U
56-23-5	Carbon tetrachloride	6.6	U
71-43-2	Benzene	6.6	U
107-06-2	1,2-Dichloroethane	6.6	U
123-91-1	1,4-Dioxane	130	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

R
11/20/08

SOM01.2 (8/2007)

1B - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

JAHD9

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036
 Lab Code: A4 Case No.: 37954 Mod. Ref No.: SDG No.: JAHD7
 Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0009680-03
 Sample wt/vol: 4.61 (g/mL) g Lab File ID: F0420.D
 Level: (TRACE/LOW/MED) LOW Date Received: 10/25/2008
 % Moisture: not dec. 18.2 Date Analyzed: 10/30/2008
 GC Column: DB-624 ID: 0.20 (mm) Dilution Factor: 1.0
 Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)
 Purge Volume: 10.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
79-01-6	Trichloroethene	6.6	U
108-87-2	Methylcyclohexane	6.6	U
78-87-5	1,2-Dichloropropane	6.6	U
75-27-4	Bromodichloromethane	6.6	U
10061-01-5	cis-1,3-Dichloropropene	6.6	U
108-10-1	4-Methyl-2-pentanone	13	U
108-88-3	Toluene	6.6	U
10061-02-6	trans-1,3-Dichloropropene	6.6	U
79-00-5	1,1,2-Trichloroethane	6.6	U
127-18-4	Tetrachloroethene	6.6	U
591-78-6	2-Hexanone	13	U
124-48-1	Dibromochloromethane	6.6	U
106-93-4	1,2-Dibromoethane	6.6	U
108-90-7	Chlorobenzene	6.6	U
100-41-4	Ethylbenzene	6.6	U
179601-23-1	m,p-Xylene	6.6	U
95-47-6	o-Xylene	6.6	U
100-42-5	Styrene	6.6	U
75-25-2	Bromoform	6.6	U
98-82-8	Isopropylbenzene	6.6	U
79-34-5	1,1,2,2-Tetrachloroethane	6.6	U
541-73-1	1,3-Dichlorobenzene	6.6	U
106-46-7	1,4-Dichlorobenzene	6.6	U
95-50-1	1,2-Dichlorobenzene	6.6	U
96-12-8	1,2-Dibromo-3-chloropropane	6.6	U
120-82-1	1,2,4-Trichlorobenzene	6.6	U
87-61-6	1,2,3-Trichlorobenzene	6.6	U

11/20/08

1J - FORM I VOA-TIC
 VOLATILE ORGANICS ANALYSIS DATA SHEET
 TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

JAHD9

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036
 Lab Code: A4 Case No.: 37954 Mod. Ref No.: SDG No.: JAHD7
 Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0009680-03
 Sample wt/vol: 4.61 (g/mL) g Lab File ID: F0420.D
 Level: (TRACE or LOW/MED) LOW Date Received: 10/25/2008
 % Moisture: not dec. 18.2 Date Analyzed: 10/30/2008
 GC Column: DB-624 ID: 0.20 (mm) Dilution Factor: 1.0
 Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)
 CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg Purge Volume: 10.0 (mL)

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01 000138-86-3	Limonene	13.33	13	JN
02				
03				
04				
05				
06				
07				
08				
09				
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12				
13				
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21				
22				
23				
24				
25				
26				
27				
28				
29				
30				
E966796 ¹	Total Alkanes	N/A		

¹EPA-designated Registry Number.

1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

JAHEO

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036
 Lab Code: A4 Case No.: 37954 Mod. Ref No.: SDG No.: JAHD7
 Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0009680-04
 Sample wt/vol: 2.81 (g/mL) g Lab File ID: F0415.D
 Level: (TRACE/LOW/MED) LOW Date Received: 10/25/2008
 % Moisture: not dec. 48.7 Date Analyzed: 10/30/2008
 GC Column: DB-624 ID: 0.20 (mm) Dilution Factor: 1.0
 Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)
 Purge Volume: 10.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
75-71-8	Dichlorodifluoromethane	17	U
74-87-3	Chloromethane	17	U
75-01-4	Vinyl chloride	17	U
74-83-9	Bromomethane	17	U
75-00-3	Chloroethane	17	U
75-69-4	Trichlorofluoromethane	17	U
75-35-4	1,1-Dichloroethene	17	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	17	U
67-64-1	Acetone	35	U
75-15-0	Carbon disulfide	17	U
79-20-9	Methyl acetate	17	U
75-09-2	Methylene chloride	*17	JB U
156-60-5	trans-1,2-Dichloroethene	17	U
1634-04-4	Methyl tert-butyl ether	17	U
75-34-3	1,1-Dichloroethane	17	U
156-59-2	cis-1,2-Dichloroethene	17	U
78-93-3	2-Butanone	35	U
74-97-5	Bromoform	17	U
67-66-3	Chloroform	17	U
71-55-6	1,1,1-Trichloroethane	17	U
110-82-7	Cyclohexane	17	U
56-23-5	Carbon tetrachloride	17	U
71-43-2	Benzene	17	U
107-06-2	1,2-Dichloroethane	17	U
123-91-1	1,4-Dioxane	350	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

R
11/20/08

1B - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

JAHEO

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036
 Lab Code: A4 Case No.: 37954 Mod. Ref No.: SDG No.: JAHD7
 Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0009680-04
 Sample wt/vol: 2.81 (g/mL) g Lab File ID: F0415.D
 Level: (TRACE/LOW/MED) LOW Date Received: 10/25/2008
 % Moisture: not dec. 48.7 Date Analyzed: 10/30/2008
 GC Column: DB-624 ID: 0.20 (mm) Dilution Factor: 1.0
 Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)
 Purge Volume: 10.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
79-01-6	Trichloroethene	17	U
108-87-2	Methylcyclohexane	17	U
78-87-5	1,2-Dichloropropane	17	U
75-27-4	Bromodichloromethane	17	U
10061-01-5	cis-1,3-Dichloropropene	17	U
108-10-1	4-Methyl-2-pentanone	35	U
108-88-3	Toluene	17	U
10061-02-6	trans-1,3-Dichloropropene	17	U
79-00-5	1,1,2-Trichloroethane	17	U
127-18-4	Tetrachloroethene	17	U
591-78-6	2-Hexanone	35	U
124-48-1	Dibromochloromethane	17	U
106-93-4	1,2-Dibromoethane	17	U
108-90-7	Chlorobenzene	17	U
100-41-4	Ethylbenzene	17	U
179601-23-1	m, p-Xylene	17	U
95-47-6	o-Xylene	17	U
100-42-5	Styrene	17	U
75-25-2	Bromoform	17	U
98-82-8	Isopropylbenzene	17	U
79-34-5	1,1,2,2-Tetrachloroethane	17	U
541-73-1	1,3-Dichlorobenzene	17	U
106-46-7	1,4-Dichlorobenzene	17	U
95-50-1	1,2-Dichlorobenzene	17	U
96-12-8	1,2-Dibromo-3-chloropropane	17	U
120-82-1	1,2,4-Trichlorobenzene	17	U
87-61-6	1,2,3-Trichlorobenzene	17	U

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11/20/08

1J - FORM I VOA-TIC
 VOLATILE ORGANICS ANALYSIS DATA SHEET
 TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

JAHEO

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036
 Lab Code: A4 Case No.: 37954 Mod. Ref No.: SDG No.: JAHD7
 Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0009680-04
 Sample wt/vol: 2.81 (g/mL) g Lab File ID: F0415.D
 Level: (TRACE or LOW/MED) LOW Date Received: 10/25/2008
 % Moisture: not dec. 48.7 Date Analyzed: 10/30/2008
 GC Column: DB-624 ID: 0.20 (mm) Dilution Factor: 1.0
 Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)
 CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg Purge Volume: 10.0 (mL)

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01				
02				
03				
04				
05				
06				
07				
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11				
12				
13				
14				
15				
16				
17				
18				
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21				
22				
23				
24				
25				
26				
27				
28				
29				
30				
E966796 ¹	Total Alkanes	N/A		

¹EPA-designated Registry Number.

1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

JAHE1

Lab Name:	A4 SCIENTIFIC, INC.	Contract:	EPW05036		
Lab Code:	A4 Case No.:	37954	Mod. Ref No.:	SDG No.:	JAHD7
Matrix: (SOIL/SED/WATER)	SOIL	Lab Sample ID:	0009680-05		
Sample wt/vol:	2.77 (g/mL)	g	Lab File ID:	F0416.D	
Level: (TRACE/LOW/MED)	LOW	Date Received:	10/25/2008		
% Moisture: not dec.	39.1	Date Analyzed:	10/30/2008		
GC Column:	DB-624	ID: 0.20 (mm)	Dilution Factor:	1.0	
Soil Extract Volume:	(uL)	Soil Aliquot Volume:	(uL)		
Purge Volume:	10.0 (mL)				

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
75-71-8	Dichlorodifluoromethane	15	U
74-87-3	Chloromethane	15	U
75-01-4	Vinyl chloride	15	U
74-83-9	Bromomethane	15	U
75-00-3	Chloroethane	15	U
75-69-4	Trichlorofluoromethane	15	U
75-35-4	1,1-Dichloroethene	15	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	15	U
67-64-1	Acetone	30	U
75-15-0	Carbon disulfide	15	U
79-20-9	Methyl acetate	15	U
75-09-2	Methylene chloride	15	BB U
156-60-5	trans-1,2-Dichloroethene	15	U
1634-04-4	Methyl tert-butyl ether	15	U
75-34-3	1,1-Dichloroethane	15	U
156-59-2	cis-1,2-Dichloroethene	15	U
78-93-3	2-Butanone	30	U
74-97-5	Bromochloromethane	15	U
67-66-3	Chloroform	15	U
71-55-6	1,1,1-Trichloroethane	15	U
110-82-7	Cyclohexane	15	U
56-23-5	Carbon tetrachloride	15	U
71-43-2	Benzene	15	U
107-06-2	1,2-Dichloroethane	15	U
123-91-1	1,4-Dioxane	300	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

R
11/20/08

1B - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

JAHE1

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036
 Lab Code: A4 Case No.: 37954 Mod. Ref No.: SDG No.: JAHD7
 Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0009680-05
 Sample wt/vol: 2.77 (g/mL) g Lab File ID: F0416.D
 Level: (TRACE/LOW/MED) LOW Date Received: 10/25/2008
 % Moisture: not dec. 39.1 Date Analyzed: 10/30/2008
 GC Column: DB-624 ID: 0.20 (mm) Dilution Factor: 1.0
 Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)
 Purge Volume: 10.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
79-01-6	Trichloroethene	15	U
108-87-2	Methylcyclohexane	15	U
78-87-5	1,2-Dichloropropane	15	U
75-27-4	Bromodichloromethane	15	U
10061-01-5	cis-1,3-Dichloropropene	15	U
108-10-1	4-Methyl-2-pentanone	30	U
108-88-3	Toluene	15	U
10061-02-6	trans-1,3-Dichloropropene	15	U
79-00-5	1,1,2-Trichloroethane	15	U
127-18-4	Tetrachloroethene	15	U
591-78-6	2-Hexanone	30	U
124-48-1	Dibromochloromethane	15	U
106-93-4	1,2-Dibromoethane	15	U
108-90-7	Chlorobenzene	15	U
100-41-4	Ethylbenzene	15	U
179601-23-1	m,p-Xylene	15	U
95-47-6	o-Xylene	15	U
100-42-5	Styrene	15	U
75-25-2	Bromoform	15	U
98-82-8	Isopropylbenzene	15	U
79-34-5	1,1,2,2-Tetrachloroethane	15	U
541-73-1	1,3-Dichlorobenzene	15	U
106-46-7	1,4-Dichlorobenzene	15	U
95-50-1	1,2-Dichlorobenzene	15	U
96-12-8	1,2-Dibromo-3-chloropropane	15	U
120-82-1	1,2,4-Trichlorobenzene	15	U
87-61-6	1,2,3-Trichlorobenzene	15	U

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11/20/08

1J - FORM I VOA-TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

JAHE1

Lab Name:	A4 SCIENTIFIC, INC.		Contract:	EPW05036		
Lab Code:	A4	Case No.:	37954	Mod. Ref No.:	SDG No.:	JAHD7
Matrix:	(SOIL/SED/WATER)	SOIL	Lab Sample ID:	0009680-05		
Sample wt/vol:	2.77	(g/mL)	g	Lab File ID:	F0416.D	
Level:	(TRACE or LOW/MED)	LOW	Date Received:	10/25/2008		
% Moisture:	not dec.	39.1	Date Analyzed:	10/30/2008		
GC Column:	DB-624	ID:	0.20 (mm)	Dilution Factor:	1.0	
Soil Extract Volume:		(uL)	Soil Aliquot Volume:	(uL)		
CONCENTRATION UNITS:	(ug/L or ug/kg)	ug/kg	Purge Volume:	10.0	(mL)	

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01				
02				
03				
04				
05				
06				
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				
E966796 ¹	Total Alkanes	N/A		

¹EPA-designated Registry Number.

1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

JAHE4

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036
 Lab Code: A4 Case No.: 37954 Mod. Ref No.: SDG No.: JAHD7
 Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0009680-06
 Sample wt/vol: 4.70 (g/mL) g Lab File ID: F0417.D
 Level: (TRACE/LOW/MED) LOW Date Received: 10/25/2008
 % Moisture: not dec. 8.3 Date Analyzed: 10/30/2008
 GC Column: DB-624 ID: 0.20 (mm) Dilution Factor: 1.0
 Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)
 Purge Volume: 10.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
75-71-8	Dichlorodifluoromethane	5.8	U
74-87-3	Chloromethane	5.8	U
75-01-4	Vinyl chloride	5.8	U
74-83-9	Bromomethane	5.8	U
75-00-3	Chloroethane	5.8	U
75-69-4	Trichlorodifluoromethane	5.8	U
75-35-4	1,1-Dichloroethene	5.8	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.8	U
67-64-1	Acetone	12	U
75-15-0	Carbon disulfide	5.8	U
79-20-9	Methyl acetate	5.8	U
75-09-2	Methylene chloride	5.8	BU
156-60-5	trans-1,2-Dichloroethene	5.8	U
1634-04-4	Methyl tert-butyl ether	5.8	U
75-34-3	1,1-Dichloroethane	5.8	U
156-59-2	cis-1,2-Dichloroethene	5.8	U
78-93-3	2-Butanone	12	U
74-97-5	Bromoform	5.8	U
67-66-3	Chloroform	5.8	U
71-55-6	1,1,1-Trichloroethane	5.8	U
110-82-7	Cyclohexane	5.8	U
56-23-5	Carbon tetrachloride	5.8	U
71-43-2	Benzene	5.8	U
107-06-2	1,2-Dichloroethane	5.8	U
123-91-1	1,4-Dioxane	120	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

R
11/20/08

1B - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

JAHE4

Lab Name:	A4 SCIENTIFIC, INC.	Contract:	EPW05036			
Lab Code:	A4	Case No.:	37954	Mod. Ref No.:	SDG No.:	JAHD7
Matrix:	(SOIL/SED/WATER)	SOIL	Lab Sample ID:	0009680-06		
Sample wt/vol:	4.70	(g/mL)	g	Lab File ID:	F0417.D	
Level:	(TRACE/LOW/MED)	LOW	Date Received:	10/25/2008		
% Moisture:	not dec.	8.3	Date Analyzed:	10/30/2008		
GC Column:	DB-624	ID:	0.20 (mm)	Dilution Factor:	1.0	
Soil Extract Volume:	(uL)		Soil Aliquot Volume:	(uL)		
Purge Volume:	10.0 (mL)					

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
79-01-6	Trichloroethene	5.8	U
108-87-2	Methylcyclohexane	5.8	U
78-87-5	1,2-Dichloropropane	5.8	U
75-27-4	Bromodichloromethane	5.8	U
10061-01-5	cis-1,3-Dichloropropene	5.8	U
108-10-1	4-Methyl-2-pentanone	12	U
108-88-3	Toluene	5.8	U
10061-02-6	trans-1,3-Dichloropropene	5.8	U
79-00-5	1,1,2-Trichloroethane	5.8	U
127-18-4	Tetrachloroethene	5.8	U
591-78-6	2-Hexanone	12	U
124-48-1	Dibromochloromethane	5.8	U
106-93-4	1,2-Dibromoethane	5.8	U
108-90-7	Chlorobenzene	5.8	U
100-41-4	Ethylbenzene	5.8	U
179601-23-1	m,p-Xylene	5.8	U
95-47-6	o-Xylene	5.8	U
100-42-5	Styrene	5.8	U
75-25-2	Bromoform	5.8	U
98-82-8	Isopropylbenzene	5.8	U
79-34-5	1,1,2,2-Tetrachloroethane	5.8	U
541-73-1	1,3-Dichlorobenzene	5.8	U
106-46-7	1,4-Dichlorobenzene	5.8	U
95-50-1	1,2-Dichlorobenzene	5.8	U
96-12-8	1,2-Dibromo-3-chloropropane	5.8	U
120-82-1	1,2,4-Trichlorobenzene	5.8	U
87-61-6	1,2,3-Trichlorobenzene	5.8	U

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11/20/08

1J - FORM I VOA-TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

JAHE4

Lab Name:	A4 SCIENTIFIC, INC.		Contract:	EPW05036		
Lab Code:	A4	Case No.:	37954	Mod. Ref No.:	SDG No.:	JAH D7
Matrix:	(SOIL/SED/WATER)	SOIL	Lab Sample ID:	0009680-06		
Sample wt/vol:	4.70	(g/mL)	g	Lab File ID:	F0417.D	
Level:	(TRACE or LOW/MED)	LOW	Date Received:	10/25/2008		
% Moisture:	not dec.	8.3	Date Analyzed:	10/30/2008		
GC Column:	DB-624	ID:	0.20	(mm)	Dilution Factor:	1.0
Soil Extract Volume:		(uL)	Soil Aliquot Volume:		(uL)	
CONCENTRATION UNITS: (ug/L or ug/kg)	ug/kg	Purge Volume:	10.0	(mL)		

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01				
02				
03				
04				
05				
06				
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				
E966796 ¹	Total Alkanes	N/A		

¹EPA-designated Registry Number.

1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

JAHE5

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036
 Lab Code: A4 Case No.: 37954 Mod. Ref No.: SDG No.: JAHDT
 Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0009680-07
 Sample wt/vol: 3.71 (g/mL) g Lab File ID: F0435.D
 Level: (TRACE/LOW/MED) LOW Date Received: 10/25/2008
 % Moisture: not dec. 1.8 Date Analyzed: 10/31/2008
 GC Column: DB-624 ID: 0.20 (mm) Dilution Factor: 1.0
 Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)
 Purge Volume: 10.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
75-71-8	Dichlorodifluoromethane	6.9	U
74-87-3	Chloromethane	6.9	U
75-01-4	Vinyl chloride	6.9	U
74-83-9	Bromomethane	6.9	U
75-00-3	Chloroethane	6.9	U
75-69-4	Trichlorodifluoromethane	6.9	U
75-35-4	1,1-Dichloroethene	6.9	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	6.9	U
67-64-1	Acetone	14	U
75-15-0	Carbon disulfide	6.9	U
79-20-9	Methyl acetate	6.9	U
75-09-2	Methylene chloride	5.46.9	BU
156-60-5	trans-1,2-Dichloroethene	6.9	U
1634-04-4	Methyl tert-butyl ether	6.9	U
75-34-3	1,1-Dichloroethane	6.9	U
156-59-2	cis-1,2-Dichloroethene	6.9	U
78-93-3	2-Butanone	14	U
74-97-5	Bromoform	6.9	U
67-66-3	Chloroform	6.9	U
71-55-6	1,1,1-Trichloroethane	6.9	U
110-82-7	Cyclohexane	6.9	U
56-23-5	Carbon tetrachloride	6.9	U
71-43-2	Benzene	6.9	U
107-06-2	1,2-Dichloroethane	6.9	U
123-91-1	1,4-Dioxane	140	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

ES
11/20/08

SOM01.2 (8/2007)

1B - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

JAHE5

Lab Name:	A4 SCIENTIFIC, INC.	Contract:	EPW05036			
Lab Code:	A4	Case No.:	37954	Mod. Ref No.:	SDG No.:	JAHD7
Matrix:	(SOIL/SED/WATER)	SOIL	Lab Sample ID:	0009680-07		
Sample wt/vol:	3.71	(g/mL)	g	Lab File ID:	F0435.D	
Level:	(TRACE/LOW/MED)	LOW	Date Received:	10/25/2008		
% Moisture:	not dec.	1.8	Date Analyzed:	10/31/2008		
GC Column:	DB-624	ID:	0.20 (mm)	Dilution Factor:	1.0	
Soil Extract Volume:	(uL)		Soil Aliquot Volume:	(uL)		
Purge Volume:	10.0 (mL)					

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
79-01-6	Trichloroethene	6.9	U
108-87-2	Methylcyclohexane	6.9	U
78-87-5	1,2-Dichloropropane	6.9	U
75-27-4	Bromodichloromethane	6.9	U
10061-01-5	cis-1,3-Dichloropropene	6.9	U
108-10-1	4-Methyl-2-pentanone	14	U
108-88-3	Toluene	6.9	U
10061-02-6	trans-1,3-Dichloropropene	6.9	U
79-00-5	1,1,2-Trichloroethane	6.9	U
127-18-4	Tetrachloroethene	6.9	U
591-78-6	2-Hexanone	14	U
124-48-1	Dibromochloromethane	6.9	U
106-93-4	1,2-Dibromoethane	6.9	U
108-90-7	Chlorobenzene	6.9	U
100-41-4	Ethylbenzene	6.9	U
179601-23-1	m,p-Xylene	6.9	U
95-47-6	o-Xylene	6.9	U
100-42-5	Styrene	6.9	U
75-25-2	Bromoform	6.9	U
98-82-8	Isopropylbenzene	6.9	U
79-34-5	1,1,2,2-Tetrachloroethane	6.9	U
541-73-1	1,3-Dichlorobenzene	6.9	U
106-46-7	1,4-Dichlorobenzene	6.9	U
95-50-1	1,2-Dichlorobenzene	6.9	U
96-12-8	1,2-Dibromo-3-chloropropane	6.9	U
120-82-1	1,2,4-Trichlorobenzene	6.9	U
87-61-6	1,2,3-Trichlorobenzene	6.9	U

[Signature]
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1J - FORM I VOA-TIC
 VOLATILE ORGANICS ANALYSIS DATA SHEET
 TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

JAHE5

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036
 Lab Code: A4 Case No.: 37954 Mod. Ref No.: SDG No.: JAHD7
 Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0009680-07
 Sample wt/vol: 3.71 (g/mL) g Lab File ID: F0435.D
 Level: (TRACE or LOW/MED) LOW Date Received: 10/25/2008
 % Moisture: not dec. 1.8 Date Analyzed: 10/31/2008
 GC Column: DB-624 ID: 0.20 (mm) Dilution Factor: 1.0
 Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)
 CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg Purge Volume: 10.0 (mL)

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01				
02				
03				
04				
05				
06				
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				
E966796 ¹	Total Alkanes	N/A		

¹EPA-designated Registry Number.

1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

JAHE6

Lab Name:	A4 SCIENTIFIC, INC.	Contract:	EPW05036			
Lab Code:	A4	Case No.:	37954	Mod. Ref No.:	SDG No.:	JAHD7
Matrix:	(SOIL/SED/WATER)	SOIL	Lab Sample ID:	0009680-08		
Sample wt/vol:	3.75	(g/mL)	g	Lab File ID:	F0436.D	
Level:	(TRACE/LOW/MED)	LOW	Date Received:	10/25/2008		
% Moisture:	not dec.	1.5	Date Analyzed:	10/31/2008		
GC Column:	DB-624	ID:	0.20 (mm)	Dilution Factor:	1.0	
Soil Extract Volume:	(uL)		Soil Aliquot Volume:	(uL)		
Purge Volume:	10.0 (mL)					

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
75-71-8	Dichlorodifluoromethane	6.8	U
74-87-3	Chloromethane	6.8	U
75-01-4	Vinyl chloride	6.8	U
74-83-9	Bromomethane	6.8	U
75-00-3	Chloroethane	6.8	U
75-69-4	Trichlorodifluoromethane	6.8	U
75-35-4	1,1-Dichloroethene	6.8	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	6.8	U
67-64-1	Acetone	14	U
75-15-0	Carbon disulfide	6.8	U
79-20-9	Methyl acetate	6.8	U
75-09-2	Methylene chloride	9.7	✓U
156-60-5	trans-1,2-Dichloroethene	6.8	U
1634-04-4	Methyl tert-butyl ether	6.8	U
75-34-3	1,1-Dichloroethane	6.8	U
156-59-2	cis-1,2-Dichloroethene	6.8	U
78-93-3	2-Butanone	14	U
74-97-5	Bromochloromethane	6.8	U
67-66-3	Chloroform	6.8	U
71-55-6	1,1,1-Trichloroethane	6.8	U
110-82-7	Cyclohexane	6.8	U
56-23-5	Carbon tetrachloride	6.8	U
71-43-2	Benzene	6.8	U
107-06-2	1,2-Dichloroethane	6.8	U
123-91-1	1,4-Dioxane	140	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

R
11/20/08

1B - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

JAHE6

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036
 Lab Code: A4 Case No.: 37954 Mod. Ref No.: SDG No.: JAHD7
 Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0009680-08
 Sample wt/vol: 3.75 (g/mL) g Lab File ID: F0436.D
 Level: (TRACE/LOW/MED) LOW Date Received: 10/25/2008
 % Moisture: not dec. 1.5 Date Analyzed: 10/31/2008
 GC Column: DB-624 ID: 0.20 (mm) Dilution Factor: 1.0
 Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)
 Purge Volume: 10.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
79-01-6	Trichloroethene	6.8	U
108-87-2	Methylcyclohexane	6.8	U
78-87-5	1,2-Dichloropropane	6.8	U
75-27-4	Bromodichloromethane	6.8	U
10061-01-5	cis-1,3-Dichloropropene	6.8	U
108-10-1	4-Methyl-2-pentanone	14	U
108-88-3	Toluene	6.8	U
10061-02-6	trans-1,3-Dichloropropene	6.8	U
79-00-5	1,1,2-Trichloroethane	6.8	U
127-18-4	Tetrachloroethene	6.8	U
591-78-6	2-Hexanone	14	U
124-48-1	Dibromochloromethane	6.8	U
106-93-4	1,2-Dibromoethane	6.8	U
108-90-7	Chlorobenzene	6.8	U
100-41-4	Ethylbenzene	6.8	U
179601-23-1	m, p-Xylene	6.8	U
95-47-6	o-Xylene	6.8	U
100-42-5	Styrene	6.8	U
75-25-2	Bromoform	6.8	U
98-82-8	Isopropylbenzene	6.8	U
79-34-5	1,1,2,2-Tetrachloroethane	6.8	U
541-73-1	1,3-Dichlorobenzene	6.8	U
106-46-7	1,4-Dichlorobenzene	6.8	U
95-50-1	1,2-Dichlorobenzene	6.8	U
96-12-8	1,2-Dibromo-3-chloropropane	6.8	U
120-82-1	1,2,4-Trichlorobenzene	6.8	U
87-61-6	1,2,3-Trichlorobenzene	6.8	U

SOM01.2 (8/2007)

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11/20/08

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1J - FORM I VOA-TIC
 VOLATILE ORGANICS ANALYSIS DATA SHEET
 TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

JAHE6

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036
 Lab Code: A4 Case No.: 37954 Mod. Ref No.: SDG No.: JAHD7
 Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0009680-08
 Sample wt/vol: 3.75 (g/mL) g Lab File ID: F0436.D
 Level: (TRACE or LOW/MED) LOW Date Received: 10/25/2008
 % Moisture: not dec. 1.5 Date Analyzed: 10/31/2008
 GC Column: DB-624 ID: 0.20 (mm) Dilution Factor: 1.0
 Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)
 CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg Purge Volume: 10.0 (mL)

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01-000556-67-2	Cycloctetrasiloxane, octamethyl-	12.42	77	JN
02				
03				
04				
05				
06				
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				
E966796 ¹	Total Alkanes	N/A		

¹EPA-designated Registry Number.

1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

JAHE7

Lab Name:	A4 SCIENTIFIC, INC.	Contract:	EPW05036			
Lab Code:	A4	Case No.:	37954	Mod. Ref No.:	SDG No.:	JAHD7
Matrix:	(SOIL/SED/WATER)	SOIL	Lab Sample ID:	0009680-09		
Sample wt/vol:	3.43	(g/mL) g	Lab File ID:	F0426.D		
Level:	(TRACE/LOW/MED)	LOW	Date Received:	10/25/2008		
% Moisture:	not dec.	2.3	Date Analyzed:	10/31/2008		
GC Column:	DB-624	ID: 0.20 (mm)	Dilution Factor:	1.0		
Soil Extract Volume:		(uL)	Soil Aliquot Volume:	(uL)		
Purge Volume:	10.0	(mL)				

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
75-71-8	Dichlorodifluoromethane	7.5	U
74-87-3	Chloromethane	7.5	U
75-01-4	Vinyl chloride	7.5	U
74-83-9	Bromomethane	7.5	U
75-00-3	Chloroethane	7.5	U
75-69-4	Trichlorodifluoromethane	7.5	U
75-35-4	1,1-Dichloroethene	7.5	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	7.5	U
67-64-1	Acetone	15	U
75-15-0	Carbon disulfide	7.5	U
79-20-9	Methyl acetate	7.5	U
75-09-2	Methylene chloride	6.7 7.5	BB U
156-60-5	trans-1,2-Dichloroethene	7.5	U
1634-04-4	Methyl tert-butyl ether	7.5	U
75-34-3	1,1-Dichloroethane	7.5	U
156-59-2	cis-1,2-Dichloroethene	7.5	U
78-93-3	2-Butanone	15	U
74-97-5	Bromochloromethane	7.5	U
67-66-3	Chloroform	7.5	U
71-55-6	1,1,1-Trichloroethane	7.5	U
110-82-7	Cyclohexane	7.5	U
56-23-5	Carbon tetrachloride	7.5	U
71-43-2	Benzene	7.5	U
107-06-2	1,2-Dichloroethane	7.5	U
123-91-1	1,4-Dioxane	150	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

LS
11/20/08

1B - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

JAHE7

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036
 Lab Code: A4 Case No.: 37954 Mod. Ref No.: SDG No.: JAHD7
 Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0009680-09
 Sample wt/vol: 3.43 (g/mL) g Lab File ID: F0426.D
 Level: (TRACE/LOW/MED) LOW Date Received: 10/25/2008
 % Moisture: not dec. 2.3 Date Analyzed: 10/31/2008
 GC Column: DB-624 ID: 0.20 (mm) Dilution Factor: 1.0
 Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)
 Purge Volume: 10.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
79-01-6	Trichloroethene	7.5	U
108-87-2	Methylcyclohexane	7.5	U
78-87-5	1,2-Dichloropropane	7.5	U
75-27-4	Bromodichloromethane	7.5	U
10061-01-5	cis-1,3-Dichloropropene	7.5	U
108-10-1	4-Methyl-2-pentanone	15	U
108-88-3	Toluene	7.5	U
10061-02-6	trans-1,3-Dichloropropene	7.5	U
79-00-5	1,1,2-Trichloroethane	7.5	U
127-18-4	Tetrachloroethene	7.5	U
591-78-6	2-Hexanone	15	U
124-48-1	Dibromochloromethane	7.5	U
106-93-4	1,2-Dibromoethane	7.5	U
108-90-7	Chlorobenzene	7.5	U
100-41-4	Ethylbenzene	7.5	U
179601-23-1	m,p-Xylene	7.5	U
95-47-6	o-Xylene	7.5	U
100-42-5	Styrene	7.5	U
75-25-2	Bromoform	7.5	U
98-82-8	Isopropylbenzene	7.5	U
79-34-5	1,1,2,2-Tetrachloroethane	7.5	U
541-73-1	1,3-Dichlorobenzene	7.5	U
106-46-7	1,4-Dichlorobenzene	7.5	U
95-50-1	1,2-Dichlorobenzene	7.5	U
96-12-8	1,2-Dibromo-3-chloropropane	7.5	U
120-82-1	1,2,4-Trichlorobenzene	7.5	U
87-61-6	1,2,3-Trichlorobenzene	7.5	U

1J - FORM I VOA-TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

JAHE7

Lab Name:	A4 SCIENTIFIC, INC.		Contract:	EPW05036		
Lab Code:	A4	Case No.:	37954	Mod. Ref No.:	SDG No.:	JAHD7
Matrix:	(SOIL/SED/WATER)	SOIL	Lab Sample ID:	0009680-09		
Sample wt/vol:	3.43	(g/mL)	g	Lab File ID:	F0426.D	
Level:	(TRACE or LOW/MED)	LOW	Date Received:	10/25/2008		
% Moisture:	not dec.	2.3	Date Analyzed:	10/31/2008		
GC Column:	DB-624	ID:	0.20 (mm)	Dilution Factor:	1.0	
Soil Extract Volume:		(uL)	Soil Aliquot Volume:	(uL)		
CONCENTRATION UNITS: (ug/L or ug/kg)	ug/kg	Purge Volume:	10.0	(mL)		

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01				
02				
03				
04				
05				
06				
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				
E966796 ¹	Total Alkanes	N/A		

¹EPA-designated Registry Number.

1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

JAHE8

Lab Name:	A4 SCIENTIFIC, INC.	Contract:	EPW05036			
Lab Code:	A4	Case No.:	37954	Mod. Ref No.:	SDG No.:	JAHD7
Matrix:	(SOIL/SED/WATER)	SOIL	Lab Sample ID:	0009680-10		
Sample wt/vol:	3.83	(g/mL)	g	Lab File ID:	F0427.D	
Level:	(TRACE/LOW/MED)	LOW	Date Received:	10/25/2008		
% Moisture:	not dec.	1.6	Date Analyzed:	10/31/2008		
GC Column:	DB-624	ID:	0.20 (mm)	Dilution Factor:	1.0	
Soil Extract Volume:		(uL)	Soil Aliquot Volume:	(uL)		
Purge Volume:	10.0	(mL)				

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
75-71-8	Dichlorodifluoromethane	6.6	U
74-87-3	Chloromethane	6.6	U
75-01-4	Vinyl chloride	6.6	U
74-83-9	Bromomethane	6.6	U
75-00-3	Chloroethane	6.6	U
75-69-4	Trichlorofluoromethane	6.6	U
75-35-4	1,1-Dichloroethene	6.6	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	6.6	U
67-64-1	Acetone	13	U
75-15-0	Carbon disulfide	6.6	U
79-20-9	Methyl acetate	6.6	U
75-09-2	Methylene chloride	7.2	PU
156-60-5	trans-1,2-Dichloroethene	6.6	U
1634-04-4	Methyl tert-butyl ether	6.6	U
75-34-3	1,1-Dichloroethane	6.6	U
156-59-2	cis-1,2-Dichloroethene	6.6	U
78-93-3	2-Butanone	13	U
74-97-5	Bromochloromethane	6.6	U
67-66-3	Chloroform	6.6	U
71-55-6	1,1,1-Trichloroethane	6.6	U
110-82-7	Cyclohexane	6.6	U
56-23-5	Carbon tetrachloride	6.6	U
71-43-2	Benzene	6.6	U
107-06-2	1,2-Dichloroethane	6.6	U
123-91-1	1,4-Dioxane	130	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

R
11/20/08

1B - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

JAHE8

Lab Name:	A4 SCIENTIFIC, INC.	Contract:	EPW05036			
Lab Code:	A4	Case No.:	37954	Mod. Ref No.:	SDG No.:	JAHD7
Matrix:	(SOIL/SED/WATER)	SOIL	Lab Sample ID:	0009680-10		
Sample wt/vol:	3.83	(g/mL)	g	Lab File ID:	F0427.D	
Level:	(TRACE/LOW/MED)	LOW	Date Received:	10/25/2008		
% Moisture:	not dec.	1.6	Date Analyzed:	10/31/2008		
GC Column:	DB-624	ID:	0.20 (mm)	Dilution Factor:	1.0	
Soil Extract Volume:	(uL)		Soil Aliquot Volume:	(uL)		
Purge Volume:	10.0	(mL)				

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
79-01-6	Trichloroethene	6.6	U
108-87-2	Methylcyclohexane	6.6	U
78-87-5	1,2-Dichloropropane	6.6	U
75-27-4	Bromodichloromethane	6.6	U
10061-01-5	cis-1,3-Dichloropropene	6.6	U
108-10-1	4-Methyl-2-pentanone	13	U
108-88-3	Toluene	6.6	U
10061-02-6	trans-1,3-Dichloropropene	6.6	U
79-00-5	1,1,2-Trichloroethane	6.6	U
127-18-4	Tetrachloroethene	6.6	U
591-78-6	2-Hexanone	13	U
124-48-1	Dibromochloromethane	6.6	U
106-93-4	1,2-Dibromoethane	6.6	U
108-90-7	Chlorobenzene	6.6	U
100-41-4	Ethylbenzene	6.6	U
179601-23-1	m,p-Xylene	6.6	U
95-47-6	o-Xylene	6.6	U
100-42-5	Styrene	6.6	U
75-25-2	Bromoform	6.6	U
98-82-8	Isopropylbenzene	6.6	U
79-34-5	1,1,2,2-Tetrachloroethane	6.6	U
541-73-1	1,3-Dichlorobenzene	6.6	U
106-46-7	1,4-Dichlorobenzene	6.6	U
95-50-1	1,2-Dichlorobenzene	6.6	U
96-12-8	1,2-Dibromo-3-chloropropane	6.6	U
120-82-1	1,2,4-Trichlorobenzene	6.6	U
87-61-6	1,2,3-Trichlorobenzene	6.6	U

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11/20/08

SOM01.2 (8/2007)

1J - FORM I VOA-TIC
 VOLATILE ORGANICS ANALYSIS DATA SHEET
 TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

JAHE8

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036
 Lab Code: A4 Case No.: 37954 Mod. Ref No.: SDG No.: JAHD7
 Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0009680-10
 Sample wt/vol: 3.83 (g/mL) g Lab File ID: F0427.D
 Level: (TRACE or LOW/MED) LOW Date Received: 10/25/2008
 % Moisture: not dec. 1.6 Date Analyzed: 10/31/2008
 GC Column: DB-624 ID: 0.20 (mm) Dilution Factor: 1.0
 Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)
 CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg Purge Volume: 10.0 (mL)

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01				
02				
03				
04				
05				
06				
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				
E966796 ¹	Total Alkanes	N/A		

¹EPA-designated Registry Number.

1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

JAHE9

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036
 Lab Code: A4 Case No.: 37954 Mod. Ref No.: SDG No.: JAHD7
 Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0009680-11
 Sample wt/vol: 4.31 (g/mL) g Lab File ID: F0428.D
 Level: (TRACE/LOW/MED) LOW Date Received: 10/25/2008
 % Moisture: not dec. 1.6 Date Analyzed: 10/31/2008
 GC Column: DB-624 ID: 0.20 (mm) Dilution Factor: 1.0
 Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)
 Purge Volume: 10.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
75-71-8	Dichlorodifluoromethane	5.9	U
74-87-3	Chloromethane	5.9	U
75-01-4	Vinyl chloride	5.9	U
74-83-9	Bromomethane	5.9	U
75-00-3	Chloroethane	5.9	U
75-69-4	Trichlorodifluoromethane	5.9	U
75-35-4	1,1-Dichloroethene	5.9	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.9	U
67-64-1	Acetone	12	U
75-15-0	Carbon disulfide	5.9	U
79-20-9	Methyl acetate	5.9	U
75-09-2	Methylene chloride	5.9	BU
156-60-5	trans-1,2-Dichloroethene	5.9	U
1634-04-4	Methyl tert-butyl ether	5.9	U
75-34-3	1,1-Dichloroethane	5.9	U
156-59-2	cis-1,2-Dichloroethene	5.9	U
78-93-3	2-Butanone	12	U
74-97-5	Bromochloromethane	5.9	U
67-66-3	Chloroform	5.9	U
71-55-6	1,1,1-Trichloroethane	5.9	U
110-82-7	Cyclohexane	5.9	U
56-23-5	Carbon tetrachloride	5.9	U
71-43-2	Benzene	5.9	U
107-06-2	1,2-Dichloroethane	5.9	U
123-91-1	1,4-Dioxane	120	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

11/20/08

1B - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

JAHE9

Lab Name:	A4 SCIENTIFIC, INC.	Contract:	EPW05036			
Lab Code:	A4	Case No.:	37954	Mod. Ref No.:	SDG No.:	JAHD7
Matrix:	(SOIL/SED/WATER)	SOIL	Lab Sample ID:	0009680-11		
Sample wt/vol:	4.31	(g/mL)	g	Lab File ID:	F0428.D	
Level:	(TRACE/LOW/MED)	LOW	Date Received:	10/25/2008		
% Moisture:	not dec.	1.6	Date Analyzed:	10/31/2008		
GC Column:	DB-624	ID:	0.20 (mm)	Dilution Factor:	1.0	
Soil Extract Volume:	(uL)		Soil Aliquot Volume:	(uL)		
Purge Volume:	10.0 (mL)					

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
79-01-6	Trichloroethene	5.9	U
108-87-2	Methylcyclohexane	5.9	U
78-87-5	1,2-Dichloropropane	5.9	U
75-27-4	Bromodichloromethane	5.9	U
10061-01-5	cis-1,3-Dichloropropene	5.9	U
108-10-1	4-Methyl-2-pentanone	12	U
108-88-3	Toluene	5.9	U
10061-02-6	trans-1,3-Dichloropropene	5.9	U
79-00-5	1,1,2-Trichloroethane	5.9	U
127-18-4	Tetrachloroethene	5.9	U
591-78-6	2-Hexanone	12	U
124-48-1	Dibromochloromethane	5.9	U
106-93-4	1,2-Dibromoethane	5.9	U
108-90-7	Chlorobenzene	5.9	U
100-41-4	Ethylbenzene	5.9	U
179601-23-1	m,p-Xylene	5.9	U
95-47-6	o-Xylene	5.9	U
100-42-5	Styrene	5.9	U
75-25-2	Bromoform	5.9	U
98-82-8	Isopropylbenzene	5.9	U
79-34-5	1,1,2,2-Tetrachloroethane	5.9	U
541-73-1	1,3-Dichlorobenzene	5.9	U
106-46-7	1,4-Dichlorobenzene	5.9	U
95-50-1	1,2-Dichlorobenzene	5.9	U
96-12-8	1,2-Dibromo-3-chloropropane	5.9	U
120-82-1	1,2,4-Trichlorobenzene	5.9	U
87-61-6	1,2,3-Trichlorobenzene	5.9	U

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11/20/08

1J - FORM I VOA-TIC
 VOLATILE ORGANICS ANALYSIS DATA SHEET
 TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

JAHE9

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036
 Lab Code: A4 Case No.: 37954 Mod. Ref No.: SDG No.: JAHD7
 Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0009680-11
 Sample wt/vol: 4.31 (g/mL) g Lab File ID: F0428.D
 Level: (TRACE or LOW/MED) LOW Date Received: 10/25/2008
 % Moisture: not dec. 1.6 Date Analyzed: 10/31/2008
 GC Column: DB-624 ID: 0.20 (mm) Dilution Factor: 1.0
 Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)
 CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg Purge Volume: 10.0 (mL)

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01				
02				
03				
04				
05				
06				
07				
08				
09				
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12				
13				
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16				
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19				
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21				
22				
23				
24				
25				
26				
27				
28				
29				
30				
E966796 ¹	Total Alkanes	N/A		

¹EPA-designated Registry Number.

1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

JAHF0

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036
 Lab Code: A4 Case No.: 37954 Mod. Ref No.: SDG No.: JAHD7
 Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0009680-12
 Sample wt/vol: 4.14 (g/mL) g Lab File ID: F0429.D
 Level: (TRACE/LOW/MED) LOW Date Received: 10/25/2008
 % Moisture: not dec. 1.8 Date Analyzed: 10/31/2008
 GC Column: DB-624 ID: 0.20 (mm) Dilution Factor: 1.0
 Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)
 Purge Volume: 10.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
75-71-8	Dichlorodifluoromethane	6.1	U
74-87-3	Chloromethane	6.1	U
75-01-4	Vinyl chloride	6.1	U
74-83-9	Bromomethane	6.1	U
75-00-3	Chloroethane	6.1	U
75-69-4	Trichlorodifluoromethane	6.1	U
75-35-4	1,1-Dichloroethene	6.1	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	6.1	U
67-64-1	Acetone	12	U
75-15-0	Carbon disulfide	6.1	U
79-20-9	Methyl acetate	6.1	U
75-09-2	Methylene chloride	7.9	XU
156-60-5	trans-1,2-Dichloroethene	6.1	U
1634-04-4	Methyl tert-butyl ether	6.1	U
75-34-3	1,1-Dichloroethane	6.1	U
156-59-2	cis-1,2-Dichloroethene	6.1	U
78-93-3	2-Butanone	12	U
74-97-5	Bromochloromethane	6.1	U
67-66-3	Chloroform	6.1	U
71-55-6	1,1,1-Trichloroethane	6.1	U
110-82-7	Cyclohexane	6.1	U
56-23-5	Carbon tetrachloride	6.1	U
71-43-2	Benzene	6.1	U
107-06-2	1,2-Dichloroethane	6.1	U
123-91-1	1,4-Dioxane	120	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

11/20/08

1B - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

JAHFO

Lab Name:	A4 SCIENTIFIC, INC.	Contract:	EPW05036			
Lab Code:	A4	Case No.:	37954	Mod. Ref No.:	SDG No.:	JAHD7
Matrix:	(SOIL/SED/WATER)	SOIL	Lab Sample ID:	0009680-12		
Sample wt/vol:	4.14	(g/mL)	g	Lab File ID:	F0429.D	
Level:	(TRACE/LOW/MED)	LOW	Date Received:	10/25/2008		
% Moisture:	not dec.	1.8	Date Analyzed:	10/31/2008		
GC Column:	DB-624	ID:	0.20 (mm)	Dilution Factor:	1.0	
Soil Extract Volume:	(uL)		Soil Aliquot Volume:	(uL)		
Purge Volume:	10.0 (mL)					

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
79-01-6	Trichloroethene	6.1	U
108-87-2	Methylcyclohexane	6.1	U
78-87-5	1,2-Dichloropropane	6.1	U
75-27-4	Bromodichloromethane	6.1	U
10061-01-5	cis-1,3-Dichloropropene	6.1	U
108-10-1	4-Methyl-2-pentanone	12	U
108-88-3	Toluene	6.1	U
10061-02-6	trans-1,3-Dichloropropene	6.1	U
79-00-5	1,1,2-Trichloroethane	6.1	U
127-18-4	Tetrachloroethene	6.1	U
591-78-6	2-Hexanone	12	U
124-48-1	Dibromochloromethane	6.1	U
106-93-4	1,2-Dibromoethane	6.1	U
108-90-7	Chlorobenzene	6.1	U
100-41-4	Ethylbenzene	6.1	U
179601-23-1	m,p-Xylene	6.1	U
95-47-6	o-Xylene	6.1	U
100-42-5	Styrene	6.1	U
75-25-2	Bromoform	6.1	U
98-82-8	Isopropylbenzene	6.1	U
79-34-5	1,1,2,2-Tetrachloroethane	6.1	U
541-73-1	1,3-Dichlorobenzene	6.1	U
106-46-7	1,4-Dichlorobenzene	6.1	U
95-50-1	1,2-Dichlorobenzene	6.1	U
96-12-8	1,2-Dibromo-3-chloropropane	6.1	U
120-82-1	1,2,4-Trichlorobenzene	6.1	U
87-61-6	1,2,3-Trichlorobenzene	6.1	U

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IJ - FORM I VOA-TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

JAHFO

Lab Name:	A4 SCIENTIFIC, INC.		Contract:	EPW05036		
Lab Code:	A4	Case No.:	37954	Mod. Ref No.:	SDG No.:	
Matrix:	(SOIL/SED/WATER)	SOIL	Lab Sample ID:	0009680-12		
Sample wt/vol:	4.14	(g/mL)	g	Lab File ID:	F0429.D	
Level:	(TRACE or LOW/MED)	LOW	Date Received:	10/25/2008		
% Moisture:	not dec.	1.8	Date Analyzed:	10/31/2008		
GC Column:	DB-624	ID:	0.20	(mm)	Dilution Factor:	1.0
Soil Extract Volume:		(uL)	Soil Aliquot Volume:	(uL)		
CONCENTRATION UNITS: (ug/L or ug/kg)	ug/kg	Purge Volume:	10.0	(mL)		

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01 000127-91-3	.beta.-Pinene	12.75	24	JN
02				
03				
04				
05				
06				
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				
E966796 ¹	Total Alkanes	N/A		

¹EPA-designated Registry Number.

1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

JAHF1

Lab Name:	A4 SCIENTIFIC, INC.	Contract:	EPW05036	
Lab Code:	A4 Case No.:	37954	Mod. Ref No.: SDG No.:	JAHD7
Matrix:	(SOIL/SED/WATER)	SOIL	Lab Sample ID:	0009680-13
Sample wt/vol:	3.60 (g/mL)	g	Lab File ID:	F0439.D
Level:	(TRACE/LOW/MED)	LOW	Date Received:	10/25/2008
% Moisture:	not dec.	2.4	Date Analyzed:	10/31/2008
GC Column:	DB-624	ID: 0.20 (mm)	Dilution Factor:	1.0
Soil Extract Volume:	(uL)		Soil Aliquot Volume:	(uL)
Purge Volume:	10.0 (mL)			

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
75-71-8	Dichlorodifluoromethane	7.1	U
74-87-3	Chloromethane	7.1	U
75-01-4	Vinyl chloride	7.1	U
74-83-9	Bromomethane	7.1	U
75-00-3	Chloroethane	7.1	U
75-69-4	Trichlorofluoromethane	7.1	U
75-35-4	1,1-Dichloroethene	7.1	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	7.1	U
67-64-1	Acetone	14	U
75-15-0	Carbon disulfide	7.1	U
79-20-9	Methyl acetate	7.1	U
75-09-2	Methylene chloride	8.7	BU
156-60-5	trans-1,2-Dichloroethene	7.1	U
1634-04-4	Methyl tert-butyl ether	7.1	U
75-34-3	1,1-Dichloroethane	7.1	U
156-59-2	cis-1,2-Dichloroethene	7.1	U
78-93-3	2-Butanone	14	U
74-97-5	Bromochloromethane	7.1	U
67-66-3	Chloroform	7.1	U
71-55-6	1,1,1-Trichloroethane	7.1	U
110-82-7	Cyclohexane	7.1	U
56-23-5	Carbon tetrachloride	7.1	U
71-43-2	Benzene	7.1	U
107-06-2	1,2-Dichloroethane	7.1	U
123-91-1	1,4-Dioxane	140	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

R
11/20/08

1B - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

JAHF1

Lab Name:	A4 SCIENTIFIC, INC.	Contract:	EPW05036			
Lab Code:	A4	Case No.:	37954	Mod. Ref No.:	SDG No.:	JAHD7
Matrix:	(SOIL/SED/WATER)	SOIL	Lab Sample ID:	0009680-13		
Sample wt/vol:	3.60	(g/mL)	g	Lab File ID:	F0439.D	
Level:	(TRACE/LOW/MED)	LOW	Date Received:	10/25/2008		
% Moisture:	not dec.	2.4	Date Analyzed:	10/31/2008		
GC Column:	DB-624	ID:	0.20 (mm)	Dilution Factor:	1.0	
Soil Extract Volume:		(uL)	Soil Aliquot Volume:	(uL)		
Purge Volume:	10.0	(mL)				

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
79-01-6	Trichloroethene	7.1	U
108-87-2	Methylcyclohexane	7.1	U
78-87-5	1,2-Dichloropropane	7.1	U
75-27-4	Bromodichloromethane	7.1	U
10061-01-5	cis-1,3-Dichloropropene	7.1	U
108-10-1	4-Methyl-2-pentanone	14	U
108-88-3	Toluene	7.1	U
10061-02-6	trans-1,3-Dichloropropene	7.1	U
79-00-5	1,1,2-Trichloroethane	7.1	U
127-18-4	Tetrachloroethene	7.1	U
591-78-6	2-Hexanone	14	U
124-48-1	Dibromochloromethane	7.1	U
106-93-4	1,2-Dibromoethane	7.1	U
108-90-7	Chlorobenzene	7.1	U
100-41-4	Ethylbenzene	7.1	U
179601-23-1	m,p-Xylene	7.1	U
95-47-6	o-Xylene	7.1	U
100-42-5	Styrene	7.1	U
75-25-2	Bromoform	7.1	U
98-82-8	Isopropylbenzene	7.1	U
79-34-5	1,1,2,2-Tetrachloroethane	7.1	U
541-73-1	1,3-Dichlorobenzene	7.1	U
106-46-7	1,4-Dichlorobenzene	7.1	U
95-50-1	1,2-Dichlorobenzene	7.1	U
96-12-8	1,2-Dibromo-3-chloropropane	7.1	U
120-82-1	1,2,4-Trichlorobenzene	7.1	U
87-61-6	1,2,3-Trichlorobenzene	7.1	U

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11/20/08

1J - FORM I VOA-TIC
 VOLATILE ORGANICS ANALYSIS DATA SHEET
 TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

JAHF1

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036
 Lab Code: A4 Case No.: 37954 Mod. Ref No.: SDG No.: JAHD7
 Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0009680-13
 Sample wt/vol: 3.60 (g/mL) g Lab File ID: F0439.D
 Level: (TRACE or LOW/MED) LOW Date Received: 10/25/2008
 % Moisture: not dec. 2.4 Date Analyzed: 10/31/2008
 GC Column: DB-624 ID: 0.20 (mm) Dilution Factor: 1.0
 Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)
 CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg Purge Volume: 10.0 (mL)

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01				
02				
03				
04				
05				
06				
07				
08				
09				
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11				
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14				
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16				
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18				
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20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				
E966796 ¹	Total Alkanes	N/A		

¹EPA-designated Registry Number.

1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

JAHF2

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036
 Lab Code: A4 Case No.: 37954 Mod. Ref No.: SDG No.: JAHD7
 Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0009680-14
 Sample wt/vol: 3.16 (g/mL) g Lab File ID: F0431.D
 Level: (TRACE/LOW/MED) LOW Date Received: 10/25/2008
 % Moisture: not dec. 1.5 Date Analyzed: 10/31/2008
 GC Column: DB-624 ID: 0.20 (mm) Dilution Factor: 1.0
 Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)
 Purge Volume: 10.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/kg</u>	Q
75-71-8	Dichlorodifluoromethane	8.0	U
74-87-3	Chloromethane	8.0	U
75-01-4	Vinyl chloride	8.0	U
74-83-9	Bromomethane	8.0	U
75-00-3	Chloroethane	8.0	U
75-69-4	Trichlorodifluoromethane	8.0	U
75-35-4	1,1-Dichloroethene	8.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	8.0	U
67-64-1	Acetone	16	U
75-15-0	Carbon disulfide	8.0	U
79-20-9	Methyl acetate	8.0	U
75-09-2	Methylene chloride	9.8	DU
156-60-5	trans-1,2-Dichloroethene	8.0	U
1634-04-4	Methyl tert-butyl ether	8.0	U
75-34-3	1,1-Dichloroethane	8.0	U
156-59-2	cis-1,2-Dichloroethene	8.0	U
78-93-3	2-Butanone	16	U
74-97-5	Bromochloromethane	8.0	U
67-66-3	Chloroform	8.0	U
71-55-6	1,1,1-Trichloroethane	8.0	U
110-82-7	Cyclohexane	8.0	U
56-23-5	Carbon tetrachloride	8.0	U
71-43-2	Benzene	8.0	U
107-06-2	1,2-Dichloroethane	8.0	U
123-91-1	1,4-Dioxane	160	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

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11/20/08

1B - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

JAHF2

Lab Name:	A4 SCIENTIFIC, INC.	Contract:	EPW05036			
Lab Code:	A4	Case No.:	37954	Mod. Ref No.:	SDG No.:	JAHD7
Matrix:	(SOIL/SED/WATER)	SOIL	Lab Sample ID:	0009680-14		
Sample wt/vol:	3.16	(g/mL)	g	Lab File ID:	F0431.D	
Level:	(TRACE/LOW/MED)	LOW	Date Received:	10/25/2008		
% Moisture:	not dec.	1.5	Date Analyzed:	10/31/2008		
GC Column:	DB-624	ID:	0.20 (mm)	Dilution Factor:	1.0	
Soil Extract Volume:	(uL)		Soil Aliquot Volume:	(uL)		
Purge Volume:	10.0 (mL)					

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
79-01-6	Trichloroethene	8.0	U
108-87-2	Methylcyclohexane	8.0	U
78-87-5	1,2-Dichloropropane	8.0	U
75-27-4	Bromodichloromethane	8.0	U
10061-01-5	cis-1,3-Dichloropropene	8.0	U
108-10-1	4-Methyl-2-pentanone	16	U
108-88-3	Toluene	8.0	U
10061-02-6	trans-1,3-Dichloropropene	8.0	U
79-00-5	1,1,2-Trichloroethane	8.0	U
127-18-4	Tetrachloroethene	8.0	U
591-78-6	2-Hexanone	16	U
124-48-1	Dibromochloromethane	8.0	U
106-93-4	1,2-Dibromoethane	8.0	U
108-90-7	Chlorobenzene	8.0	U
100-41-4	Ethylbenzene	8.0	U
179601-23-1	m,p-Xylene	8.0	U
95-47-6	o-Xylene	8.0	U
100-42-5	Styrene	8.0	U
75-25-2	Bromoform	8.0	U
98-82-8	Isopropylbenzene	8.0	U
79-34-5	1,1,2,2-Tetrachloroethane	8.0	U
541-73-1	1,3-Dichlorobenzene	8.0	U
106-46-7	1,4-Dichlorobenzene	8.0	U
95-50-1	1,2-Dichlorobenzene	8.0	U
96-12-8	1,2-Dibromo-3-chloropropane	8.0	U
120-82-1	1,2,4-Trichlorobenzene	8.0	U
87-61-6	1,2,3-Trichlorobenzene	8.0	U

R
11/20/08

IJ - FORM I VOA-TIC
 VOLATILE ORGANICS ANALYSIS DATA SHEET
 TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

JAHF2

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036
 Lab Code: A4 Case No.: 37954 Mod. Ref No.: SDG No.: JAHD7
 Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0009680-14
 Sample wt/vol: 3.16 (g/mL) g Lab File ID: F0431.D
 Level: (TRACE or LOW/MED) LOW Date Received: 10/25/2008
 % Moisture: not dec. 1.5 Date Analyzed: 10/31/2008
 GC Column: DB-624 ID: 0.20 (mm) Dilution Factor: 1.0
 Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)
 CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg Purge Volume: 10.0 (mL)

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01				
02				
03				
04				
05				
06				
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
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20				
21				
22				
23				
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25				
26				
27				
28				
29				
30				
E966796 ¹	Total Alkanes	N/A		

¹EPA-designated Registry Number.

SOM01.2 (8/2007)

11/20/08

0000000172

1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

JAHF3

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036
 Lab Code: A4 Case No.: 37954 Mod. Ref No.: SDG No.: JAHD7
 Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0009680-15
 Sample wt/vol: 3.47 (g/mL) g Lab File ID: F0432.D
 Level: (TRACE/LOW/MED) LOW Date Received: 10/25/2008
 % Moisture: not dec. 1.4 Date Analyzed: 10/31/2008
 GC Column: DB-624 ID: 0.20 (mm) Dilution Factor: 1.0
 Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)
 Purge Volume: 10.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/kg</u>	Q
75-71-8	Dichlorodifluoromethane	7.3	U
74-87-3	Chloromethane	7.3	U
75-01-4	Vinyl chloride	7.3	U
74-83-9	Bromomethane	7.3	U
75-00-3	Chloroethane	7.3	U
75-69-4	Trichlorofluoromethane	7.3	U
75-35-4	1,1-Dichloroethene	7.3	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	7.3	U
67-64-1	Acetone	15	U
75-15-0	Carbon disulfide	7.3	U
79-20-9	Methyl acetate	7.3	U
75-09-2	Methylene chloride	11	X U
156-60-5	trans-1,2-Dichloroethene	7.3	U
1634-04-4	Methyl tert-butyl ether	7.3	U
75-34-3	1,1-Dichloroethane	7.3	U
156-59-2	cis-1,2-Dichloroethene	7.3	U
78-93-3	2-Butanone	15	U
74-97-5	Bromochloromethane	7.3	U
67-66-3	Chloroform	7.3	U
71-55-6	1,1,1-Trichloroethane	7.3	U
110-82-7	Cyclohexane	7.3	U
56-23-5	Carbon tetrachloride	7.3	U
71-43-2	Benzene	7.3	U
107-06-2	1,2-Dichloroethane	7.3	U
123-91-1	1,4-Dioxane	150	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

RJ
11/20/08

1B - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

JAHF3

Lab Name:	A4 SCIENTIFIC, INC.	Contract:	EPW05036			
Lab Code:	A4	Case No.:	37954	Mod. Ref No.:	SDG No.:	JAHD7
Matrix:	(SOIL/SED/WATER)	SOIL	Lab Sample ID:	0009680-15		
Sample wt/vol:	3.47	(g/mL)	g	Lab File ID:	F0432.D	
Level:	(TRACE/LOW/MED)	LOW	Date Received:	10/25/2008		
% Moisture:	not dec.	1.4	Date Analyzed:	10/31/2008		
GC Column:	DB-624	ID:	0.20 (mm)	Dilution Factor:	1.0	
Soil Extract Volume:	(uL)		Soil Aliquot Volume:	(uL)		
Purge Volume:	10.0 (mL)					

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
79-01-6	Trichloroethene	7.3	U
108-87-2	Methylcyclohexane	7.3	U
78-87-5	1,2-Dichloropropane	7.3	U
75-27-4	Bromodichloromethane	7.3	U
10061-01-5	cis-1,3-Dichloropropene	7.3	U
108-10-1	4-Methyl-2-pentanone	15	U
108-88-3	Toluene	7.3	U
10061-02-6	trans-1,3-Dichloropropene	7.3	U
79-00-5	1,1,2-Trichloroethane	7.3	U
127-18-4	Tetrachloroethene	7.3	U
591-78-6	2-Hexanone	15	U
124-48-1	Dibromochloromethane	7.3	U
106-93-4	1,2-Dibromoethane	7.3	U
108-90-7	Chlorobenzene	7.3	U
100-41-4	Ethylbenzene	7.3	U
179601-23-1	m,p-Xylene	7.3	U
95-47-6	o-Xylene	7.3	U
100-42-5	Styrene	7.3	U
75-25-2	Bromoform	7.3	U
98-82-8	Isopropylbenzene	7.3	U
79-34-5	1,1,2,2-Tetrachloroethane	7.3	U
541-73-1	1,3-Dichlorobenzene	7.3	U
106-46-7	1,4-Dichlorobenzene	7.3	U
95-50-1	1,2-Dichlorobenzene	7.3	U
96-12-8	1,2-Dibromo-3-chloropropane	7.3	U
120-82-1	1,2,4-Trichlorobenzene	7.3	U
87-61-6	1,2,3-Trichlorobenzene	7.3	U

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11/20/08

1J - FORM I VOA-TIC
 VOLATILE ORGANICS ANALYSIS DATA SHEET
 TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

JAHF3

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036
 Lab Code: A4 Case No.: 37954 Mod. Ref No.: SDG No.: JAHD7
 Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0009680-15
 Sample wt/vol: 3.47 (g/mL) g Lab File ID: F0432.D
 Level: (TRACE or LOW/MED) LOW Date Received: 10/25/2008
 % Moisture: not dec. 1.4 Date Analyzed: 10/31/2008
 GC Column: DB-624 ID: 0.20 (mm) Dilution Factor: 1.0
 Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)
 CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg Purge Volume: 10.0 (mL)

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01 007785-70-8	1R-.alpha.-Pinene	12.00	75	JN
02 000556-67-2	Cycloctetrasiloxane, octamethyl	12.42	17	JN
03 000127-91-3	.beta.-Pinene	12.75	150	JN
04 005989-27-5	d-Limonene	13.33	20	JN
05				
06				
07				
08				
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28				
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30				
E966796 ¹	Total Alkanes	N/A		

¹EPA-designated Registry Number.

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11/20/08

1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

JAHF4

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036
 Lab Code: A4 Case No.: 37954 Mod. Ref No.: SDG No.: JAHD7
 Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0009680-16
 Sample wt/vol: 2.45 (g/mL) g Lab File ID: F0433.D
 Level: (TRACE/LOW/MED) LOW Date Received: 10/25/2008
 % Moisture: not dec. 2.1 Date Analyzed: 10/31/2008
 GC Column: DB-624 ID: 0.20 (mm) Dilution Factor: 1.0
 Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)
 Purge Volume: 10.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	21	U
75-15-0	Carbon disulfide	10	U
79-20-9	Methyl acetate	10	U
75-09-2	Methylene chloride	8.9/10	BB U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-butyl ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	21	U
74-97-5	Bromoform	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U
123-91-1	1,4-Dioxane	210	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

R
11/20/08

1B - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

JAHF4

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036
 Lab Code: A4 Case No.: 37954 Mod. Ref No.: SDG No.: JAHD7
 Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0009680-16
 Sample wt/vol: 2.45 (g/mL) g Lab File ID: F0433.D
 Level: (TRACE/LOW/MED) LOW Date Received: 10/25/2008
 % Moisture: not dec. 2.1 Date Analyzed: 10/31/2008
 GC Column: DB-624 ID: 0.20 (mm) Dilution Factor: 1.0
 Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)
 Purge Volume: 10.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-pentanone	21	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	21	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
179601-23-1	m,p-Xylene	10	U
95-47-6	o-Xylene	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
87-61-6	1,2,3-Trichlorobenzene	10	U

R
11/20/08

1J - FORM I VOA-TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

JAHF4

Lab Name:	A4 SCIENTIFIC, INC.		Contract:	EPW05036		
Lab Code:	A4	Case No.:	37954	Mod. Ref No.:	SDG No.:	JAHD7
Matrix:	(SOIL/SED/WATER)	SOIL	Lab Sample ID:	0009680-16		
Sample wt/vol:	2.45	(g/mL)	g	Lab File ID:	F0433.D	
Level:	(TRACE or LOW/MED)	LOW	Date Received:	10/25/2008		
% Moisture:	not dec.	2.1	Date Analyzed:	10/31/2008		
GC Column:	DB-624	ID:	0.20 (mm)	Dilution Factor:	1.0	
Soil Extract Volume:		(uL)	Soil Aliquot Volume:	(uL)		
CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg			Purge Volume:	10.0	(mL)	

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01	UNKNOWN	12.42	30	JN
02				
03				
04				
05				
06				
07				
08				
09				
10				
11				
12				
13				
14				
15				
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17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				
E966796 ¹	Total Alkanes	N/A		

¹EPA-designated Registry Number.

R
11/20/08

1D - FORM I SV-1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

JAHD7

Lab Name:	A4 SCIENTIFIC, INC.	Contract:	EPW05036			
Lab Code:	A4	Case No.:	37954	Mod. Ref No.:	SDG No.:	JAHD7
Matrix:	(SOIL/SED/WATER)	SOIL	Lab Sample ID:	0009680-01		
Sample wt/vol:	30.3	(g/mL) g	Lab File ID:	D8883.D		
Level:	(LOW/MED)	LOW	Extraction: (Type)	SONC		
% Moisture:	7.1	Decanted: (Y/N)	N	Date Received:	10/25/2008	
Concentrated Extract Volume:	500	(uL)	Date Extracted:	10/28/2008		
Injection Volume:	1.0	(uL)	GPC Factor:	2.0	Date Analyzed:	10/31/2008
GPC Cleanup: (Y/N)	Y	pH:	9.6	Dilution Factor:	1.0	

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg)ug/kg	Q
100-52-7	Benzaldehyde	180	U
108-95-2	Phenol	180	U
111-44-4	Bis(2-chloroethyl)ether	180	U
95-57-8	2-Chlorophenol	180	U
95-48-7	2-Methylphenol	180	U
108-60-1	2,2'-Oxybis(1-chloropropane)	180	U
98-86-2	Acetophenone	180	U
106-44-5	4-Methylphenol	180	U
621-64-7	N-Nitroso-di-n-propylamine	180	U
67-72-1	Hexachloroethane	180	U
98-95-3	Nitrobenzene	180	U
78-59-1	Isophorone	180	U
88-75-5	2-Nitrophenol	180	U
105-67-9	2,4-Dimethylphenol	180	U
111-91-1	Bis(2-chloroethoxy)methane	180	U
120-83-2	2,4-Dichlorophenol	180	U
91-20-3	Naphthalene	180	U
106-47-8	4-Chloroaniline	180	U
87-68-3	Hexachlorobutadiene	180	U
105-60-2	Caprolactam	180	U
59-50-7	4-Chloro-3-methylphenol	180	U
91-57-6	2-Methylnaphthalene	180	U
77-47-4	Hexachlorocyclopentadiene	180	U
88-06-2	2,4,6-Trichlorophenol	180	U
95-95-4	2,4,5-Trichlorophenol	180	U
92-52-4	1,1'-Biphenyl	180	U
91-58-7	2-Chloronaphthalene	180	U
88-74-4	2-Nitroaniline	350	U
131-11-3	Dimethylphthalate	180	U
606-20-2	2,6-Dinitrotoluene	180	U
208-96-8	Acenaphthylene	180	U
99-09-2	3-Nitroaniline	350	U
83-32-9	Acenaphthene	180	U

R
11/20/08

1E - FORM I SV-2
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

JAHD7

Lab Name:	A4 SCIENTIFIC, INC.	Contract:	EPW05036			
Lab Code:	A4	Case No.:	37954	Mod. Ref No.:	SDG No.:	JAHD7
Matrix:	(SOIL/SED/WATER)	SOIL	Lab Sample ID:	0009680-01		
Sample wt/vol:	30.3	(g/mL)	g	Lab File ID:	D8883.D	
Level:	(LOW/MED)	LOW	Extraction: (Type)	SONC		
% Moisture:	7.1	Decanted: (Y/N)	N	Date Received:	10/25/2008	
Concentrated Extract Volume:	500	(uL)	Date Extracted:	10/28/2008		
Injection Volume:	1.0	(uL)	GPC Factor:	2.0	Date Analyzed:	10/31/2008
GPC Cleanup: (Y/N)	Y	pH:	9.6	Dilution Factor:	1.0	

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
51-28-5	2,4-Dinitrophenol	350	UTK
100-02-7	4-Nitrophenol	350	U
132-64-9	Dibenzofuran	180	U
121-14-2	2,4-Dinitrotoluene	180	U
84-66-2	Diethylphthalate	180	U
86-73-7	Fluorene	180	U
7005-72-3	4-Chlorophenyl-phenylether	180	U
100-01-6	4-Nitroaniline	350	U
534-52-1	4,6-Dinitro-2-methylphenol	350	U
86-30-6	N-Nitrosodiphenylamine (1)	180	U
95-94-3	1,2,4,5-Tetrachlorobenzene	180	U
101-55-3	4-Bromophenyl-phenylether	180	U
118-74-1	Hexachlorobenzene	180	U
1912-24-9	Atrazine	180	U
87-86-5	Pentachlorophenol	350	U
85-01-8	Phenanthrene	180	U
120-12-7	Anthracene	180	U
86-74-8	Carbazole	180	U
84-74-2	Di-n-butylphthalate	180	U
206-44-0	Fluoranthene	180	UTK
129-00-0	Pyrene	180	UTK
85-68-7	Butylbenzylphthalate	180	U
91-94-1	3,3'-Dichlorobenzidine	180	U
56-55-3	Benzo (a) anthracene	180	UTK
218-01-9	Chrysene	180	UTK
117-81-7	Bis(2-ethylhexyl)phthalate	180	U
117-84-0	Di-n-octylphthalate	180	U
205-99-2	Benzo (b) fluoranthene	180	U
207-08-9	Benzo (k) fluoranthene	180	U
50-32-8	Benzo (a) pyrene	180	U
193-39-5	Indeno (1,2,3-cd) pyrene	180	U
53-70-3	Dibenzo (a,h) anthracene	180	U
191-24-2	Benzo (g,h,i) perylene	180	U
58-90-2	2,3,4,6-Tetrachlorophenol	180	U

¹Cannot be separated from Diphenylamine

1K - FORM I SV-TIC
 SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
 TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

JAHD7

Lab Name:	A4 SCIENTIFIC, INC.	Contract:	EPW05036			
Lab Code:	A4	Case No.:	37954	Mod. Ref No.:	SDG No.:	JAHD7
Matrix:	(SOIL/SED/WATER)	SOIL	Lab Sample ID:	0009680-01		
Sample wt/vol:	30.3	(g/mL)	g	Lab File ID:	D8883.D	
Level:	(TRACE or LOW/MED)	LOW	Extraction: (Type)	SONC		
% Moisture:	7.1	Decanted: (Y/N)	N	Date Received:	10/25/2008	
Concentrated Extract Volume:	500	(uL)	Date Extracted:	10/28/2008		
Injection Volume:	1.0	(uL)	GPC Factor:	2.0	Date Analyzed:	10/31/2008
GPC Cleanup: (Y/N)	Y	pH:	9.6	Dilution Factor:	1.0	
CONCENTRATION UNITS: (ug/L or ug/kg)				ug/kg		

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01	UNKNOWN	1.18	1800	JN
02	UNKNOWN	1.24	2100	J
03	UNKNOWN	1.26	560	J
04	UNKNOWN	1.34	270	J
05 072221-03-5	Oxirane, 2-methyl-2-(1-meth...	1.70	110	JN
06	UNKNOWN	1.98	120	JN
07	UNKNOWN	2.02	210	J
08	UNKNOWN	2.10	160	J
09	UNKNOWN	2.16	370	J
10	UNKNOWN	2.19	130	J
11	UNKNOWN	2.74	140	J
12 1000154-28-6	Cyclopentene, 1,2,3,4,5-pen...	2.93	470	JN
13	UNKNOWN	3.02	100	JN
14	UNKNOWN	3.17	270	J
15	UNKNOWN	3.30	190	J
16	UNKNOWN	3.63	92	J
17 007683-64-9	Squalene	13.26	83	JN
18 1000144-57-9	16-Heptadecenal	13.36	180	JN
19	UNKNOWN	15.55	110	JN
20 000083-46-5	.beta.-Sitosterol	16.36	140	JN
21	UNKNOWN	16.86	140	JN
22	UNKNOWN	17.14	110	JN
23 001058-61-3	Stigmast-4-en-3-one	17.55	170	JN
24				
25				
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29				
30				
E966796 ²	Total Alkanes	N/A	660	

²EPA-designated Registry Number.

SOM01.2 (8/2007)

000000347

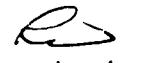
1D - FORM I SV-1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

JAHD8

Lab Name:	A4 SCIENTIFIC, INC.	Contract:	EPW05036			
Lab Code:	A4	Case No.:	37954	Mod. Ref No.:	SDG No.:	JAHD7
Matrix:	(SOIL/SED/WATER)	SOIL	Lab Sample ID:	0009680-02		
Sample wt/vol:	30.2	(g/mL) g	Lab File ID:	D8889.D		
Level:	(LOW/MED)	LOW	Extraction: (Type)	SONC		
% Moisture:	24.9	Decanted: (Y/N)	N	Date Received:	10/25/2008	
Concentrated Extract Volume:	500	(uL)	Date Extracted:	10/28/2008		
Injection Volume:	1.0	(uL) GPC Factor:	2.0	Date Analyzed:	10/31/2008	
GPC Cleanup: (Y/N)	Y	pH:	8.3	Dilution Factor:	1.0	

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
100-52-7	Benzaldehyde	220	U
108-95-2	Phenol	220	U
111-44-4	Bis(2-chloroethyl)ether	220	U
95-57-8	2-Chlorophenol	220	U
95-48-7	2-Methylphenol	220	U
108-60-1	2,2'-Oxybis(1-chloropropane)	220	U
98-86-2	Acetophenone	220	U
106-44-5	4-Methylphenol	220	U
621-64-7	N-Nitroso-di-n-propylamine	220	U
67-72-1	Hexachloroethane	220	U
98-95-3	Nitrobenzene	220	U
78-59-1	Isophorone	220	U
88-75-5	2-Nitrophenol	220	U
105-67-9	2,4-Dimethylphenol	220	U
111-91-1	Bis(2-chloroethoxy)methane	220	U
120-83-2	2,4-Dichlorophenol	220	U
91-20-3	Naphthalene	220	U
106-47-8	4-Chloroaniline	220	U
87-68-3	Hexachlorobutadiene	220	U
105-60-2	Caprolactam	220	U
59-50-7	4-Chloro-3-methylphenol	220	U
91-57-6	2-Methylnaphthalene	220	U
77-47-4	Hexachlorocyclopentadiene	220	U
88-06-2	2,4,6-Trichlorophenol	220	U
95-95-4	2,4,5-Trichlorophenol	220	U
92-52-4	1,1'-Biphenyl	220	U
91-58-7	2-Chloronaphthalene	220	U
88-74-4	2-Nitroaniline	440	U
131-11-3	Dimethylphthalate	220	U
606-20-2	2,6-Dinitrotoluene	220	U
208-96-8	Acenaphthylene	220	U
99-09-2	3-Nitroaniline	440	U
83-32-9	Acenaphthene	220	U


11/20/08

1E - FORM I SV-2
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

JAHD8

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036
 Lab Code: A4 Case No.: 37954 Mod. Ref No.: SDG No.: JAHD7
 Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0009680-02
 Sample wt/vol: 30.2 (g/mL) g Lab File ID: D8889.D
 Level: (LOW/MED) LOW Extraction: (Type) SONC
 % Moisture: 24.9 Decanted: (Y/N) N Date Received: 10/25/2008
 Concentrated Extract Volume: 500 (uL) Date Extracted: 10/28/2008
 Injection Volume: 1.0 (uL) GPC Factor: 2.0 Date Analyzed: 10/31/2008
 GPC Cleanup: (Y/N) Y pH: 8.3 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
51-28-5	2,4-Dinitrophenol	440	UJK
100-02-7	4-Nitrophenol	440	U
132-64-9	Dibenzofuran	220	U
121-14-2	2,4-Dinitrotoluene	220	U
84-66-2	Diethylphthalate	220	U
86-73-7	Fluorene	220	U
7005-72-3	4-Chlorophenyl-phenylether	220	U
100-01-6	4-Nitroaniline	440	U
534-52-1	4,6-Dinitro-2-methylphenol	440	U
86-30-6	N-Nitrosodiphenylamine (1)	220	U
95-94-3	1,2,4,5-Tetrachlorobenzene	220	U
101-55-3	4-Bromophenyl-phenylether	220	U
118-74-1	Hexachlorobenzene	220	U
1912-24-9	Atrazine	220	U
87-86-5	Pentachlorophenol	440	U
85-01-8	Phenanthrene	220	U
120-12-7	Anthracene	220	U
86-74-8	Carbazole	220	U
84-74-2	Di-n-butylphthalate	220	U
206-44-0	Fluoranthene	220	U
129-00-0	Pyrene	220	U
85-68-7	Butylbenzylphthalate	220	U
91-94-1	3,3'-Dichlorobenzidine	220	U
56-55-3	Benzo (a) anthracene	220	U
218-01-9	Chrysene	220	U
117-81-7	Bis(2-ethylhexyl)phthalate	220	U
117-84-0	Di-n-octylphthalate	220	U
205-99-2	Benzo (b) fluoranthene	220	U
207-08-9	Benzo (k) fluoranthene	220	U
50-32-8	Benzo (a) pyrene	220	U
193-39-5	Indeno (1,2,3-cd) pyrene	220	U
53-70-3	Dibenzo (a,h) anthracene	220	U
191-24-2	Benzo (g,h,i) perylene	220	U
58-90-2	2,3,4,6-Tetrachlorophenol	220	U

¹Cannot be separated from Diphenylamine

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11/20/08

1K - FORM I SV-TIC
 SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
 TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

JAHD8

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036
 Lab Code: A4 Case No.: 37954 Mod. Ref No.: SDG No.: JAHD7
 Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0009680-02
 Sample wt/vol: 30.2 (g/mL) g Lab File ID: D8889.D
 Level: (TRACE or LOW/MED) LOW Extraction: (Type) SONC
 % Moisture: 24.9 Decanted: (Y/N) N Date Received: 10/25/2008
 Concentrated Extract Volume: 500 (uL) Date Extracted: 10/28/2008
 Injection Volume: 1.0 (uL) GPC Factor: 2.0 Date Analyzed: 10/31/2008
 GPC Cleanup: (Y/N) Y pH: 8.3 Dilution Factor: 1.0
 CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01	UNKNOWN	1.18	1900	JN
02	UNKNOWN	1.24	2600	J
03	UNKNOWN	1.26	1100	J
04	UNKNOWN	1.34	330	J
05	UNKNOWN	1.70	130	J
06	UNKNOWN	1.98	220	J
07	UNKNOWN	2.02	270	J
08	UNKNOWN	2.10	190	J
09	UNKNOWN	2.16	580	J
10	UNKNOWN	2.19	230	J
11	UNKNOWN	2.64	130	J
12	UNKNOWN	2.74	160	J
13	197390-29-7 Cyclopentene, 1,2,3,3,4-pen... (02)	2.93	560	JN
14	UNKNOWN	3.02	140	JN
15	UNKNOWN	3.06	98	J
16	UNKNOWN	3.17	350	J
17	UNKNOWN	3.30	250	J
18	UNKNOWN	3.63	120	J
19	000111-02-4 2,6,10,14,18,22-Tetracosahe...	13.26	150	JN
20	UNKNOWN	16.34	91	JN
21	UNKNOWN	18.06	130	JN
22				
23				
24				
25				
26				
27				
28				
29				
30				
E966796 ²	Total Alkanes	N/A		

²EPA-designated Registry Number.

11/20/08

SOM01.2 (8/2007)

000000388

1D - FORM I SV-1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

JAHD9

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036
 Lab Code: A4 Case No.: 37954 Mod. Ref No.: SDG No.: JAHD7
 Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0009680-03
 Sample wt/vol: 30.8 (g/mL) g Lab File ID: D8886.D
 Level: (LOW/MED) LOW Extraction: (Type) SONC
 % Moisture: 18.2 Decanted: (Y/N) N Date Received: 10/25/2008
 Concentrated Extract Volume: 500 (uL) Date Extracted: 10/28/2008
 Injection Volume: 1.0 (uL) GPC Factor: 2.0 Date Analyzed: 10/31/2008
 GPC Cleanup: (Y/N) Y pH: 8.2 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
100-52-7	Benzaldehyde	200	U
108-95-2	Phenol	200	U
111-44-4	Bis(2-chloroethyl)ether	200	U
95-57-8	2-Chlorophenol	200	U
95-48-7	2-Methylphenol	200	U
108-60-1	2,2'-Oxybis(1-chloropropane)	200	U
98-86-2	Acetophenone	200	U
106-44-5	4-Methylphenol	200	U
621-64-7	N-Nitroso-di-n-propylamine	200	U
67-72-1	Hexachloroethane	200	U
98-95-3	Nitrobenzene	200	U
78-59-1	Isophorone	200	U
88-75-5	2-Nitrophenol	200	U
105-67-9	2,4-Dimethylphenol	200	U
111-91-1	Bis(2-chloroethoxy)methane	200	U
120-83-2	2,4-Dichlorophenol	200	U
91-20-3	Naphthalene	200	U
106-47-8	4-Chloroaniline	200	U
87-68-3	Hexachlorobutadiene	200	U
105-60-2	Caprolactam	200	U
59-50-7	4-Chloro-3-methylphenol	200	U
91-57-6	2-Methylnaphthalene	200	U
77-47-4	Hexachlorocyclopentadiene	200	U
88-06-2	2,4,6-Trichlorophenol	200	U
95-95-4	2,4,5-Trichlorophenol	200	U
92-52-4	1,1'-Biphenyl	200	U
91-58-7	2-Chloronaphthalene	200	U
88-74-4	2-Nitroaniline	390	U
131-11-3	Dimethylphthalate	200	U
606-20-2	2,6-Dinitrotoluene	200	U
208-96-8	Acenaphthylene	200	U
99-09-2	3-Nitroaniline	390	U
83-32-9	Acenaphthene	200	U

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11/20/08

SOM01.2 (8/2007)

000000421

1E - FORM I SV-2
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

JAHD9

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036
 Lab Code: A4 Case No.: 37954 Mod. Ref No.: SDG No.: JAHD7
 Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0009680-03
 Sample wt/vol: 30.8 (g/mL) g Lab File ID: D8886.D
 Level: (LOW/MED) LOW Extraction: (Type) SONC
 % Moisture: 18.2 Decanted: (Y/N) N Date Received: 10/25/2008
 Concentrated Extract Volume: 500 (uL) Date Extracted: 10/28/2008
 Injection Volume: 1.0 (uL) GPC Factor: 2.0 Date Analyzed: 10/31/2008
 GPC Cleanup: (Y/N) Y pH: 8.2 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
51-28-5	2,4-Dinitrophenol	390	UJK
100-02-7	4-Nitrophenol	390	U
132-64-9	Dibenzofuran	200	UJK
121-14-2	2,4-Dinitrotoluene	200	U
84-66-2	Diethylphthalate	200	U
86-73-7	Fluorene	200	UJK
7005-72-3	4-Chlorophenyl-phenylether	200	UJK
100-01-6	4-Nitroaniline	390	U
534-52-1	4,6-Dinitro-2-methylphenol	390	U
86-30-6	N-Nitrosodiphenylamine (1)	200	U
95-94-3	1,2,4,5-Tetrachlorobenzene	200	U
101-55-3	4-Bromophenyl-phenylether	200	UJK
118-74-1	Hexachlorobenzene	200	U
1912-24-9	Atrazine	200	U
87-86-5	Pentachlorophenol	390	U
85-01-8	Phenanthrene	200	U
120-12-7	Anthracene	200	U
86-74-8	Carbazole	200	UJK
84-74-2	Di-n-butylphthalate	200	U
206-44-0	Fluoranthene	200	UJK
129-00-0	Pyrene	200	UJK
85-68-7	Butylbenzylphthalate	200	U
91-94-1	3,3'-Dichlorobenzidine	200	U
56-55-3	Benzo (a) anthracene	200	UJK
218-01-9	Chrysene	200	UJK
117-81-7	Bis(2-ethylhexyl)phthalate	200	U
117-84-0	Di-n-octylphthalate	200	U
205-99-2	Benzo (b) fluoranthene	200	U
207-08-9	Benzo (k) fluoranthene	200	U
50-32-8	Benzo (a) pyrene	200	U
193-39-5	Indeno (1,2,3-cd) pyrene	200	U
53-70-3	Dibenzo (a,h) anthracene	200	U
191-24-2	Benzo (g,h,i) perylene	200	U
58-90-2	2,3,4,6-Tetrachlorophenol	200	U

¹Cannot be separated from Diphenylamine

1K - FORM I SV-TIC
 SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
 TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

JAHD9

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036
 Lab Code: A4 Case No.: 37954 Mod. Ref No.: SDG No.: JAHD7
 Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0009680-03
 Sample wt/vol: 30.8 (g/mL) g Lab File ID: D8886.D
 Level: (TRACE or LOW/MED) LOW Extraction: (Type) SONC
 % Moisture: 18.2 Decanted: (Y/N) N Date Received: 10/25/2008
 Concentrated Extract Volume: 500 (uL) Date Extracted: 10/28/2008
 Injection Volume: 1.0 (uL) GPC Factor: 2.0 Date Analyzed: 10/31/2008
 GPC Cleanup: (Y/N) Y pH: 8.2 Dilution Factor: 1.0
 CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01	UNKNOWN	1.18	1700	JN
02	UNKNOWN	1.24	2500	J
03	UNKNOWN	1.26	570	J
04	UNKNOWN	1.34	270	J
05	UNKNOWN	1.39	110	J
06	UNKNOWN	1.70	120	J
07	UNKNOWN	1.98	130	J
08	UNKNOWN	2.02	210	J
09	UNKNOWN	2.10	160	J
10	UNKNOWN	2.16	430	J
11	UNKNOWN	2.19	150	J
12	UNKNOWN	2.64	100	J
13	UNKNOWN	2.74	130	J
14	197390-29-7 Cyclopentene, 1,2,3,3,4-pen...	2.93	450	JN
15	UNKNOWN	3.02	110	JN
16	UNKNOWN	3.17	280	J
17	UNKNOWN	3.30	180	J
18	UNKNOWN	3.63	100	J
19	000102-36-3 Benzene, 1,2-dichloro-4-iso...	5.95	310	JN
20	000608-31-1 Benzenamine, 2,6-dichloro-	6.79	92	JN
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				
E966796 ²	Total Alkanes	N/A		

²EPA-designated Registry Number.

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 11/20/08

1D - FORM I SV-1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

JAHEO

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036
 Lab Code: A4 Case No.: 37954 Mod. Ref No.: SDG No.: JAH07
 Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0009680-04
 Sample wt/vol: 30.9 (g/mL) g Lab File ID: D8890.D
 Level: (LOW/MED) LOW Extraction: (Type) SONC
 % Moisture: 48.7 Decanted: (Y/N) N Date Received: 10/25/2008
 Concentrated Extract Volume: 500 (uL) Date Extracted: 10/28/2008
 Injection Volume: 1.0 (uL) GPC Factor: 2.0 Date Analyzed: 10/31/2008
 GPC Cleanup: (Y/N) Y pH: 7.1 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
100-52-7	Benzaldehyde	320	U
108-95-2	Phenol	320	U
111-44-4	Bis(2-chloroethyl)ether	320	U
95-57-8	2-Chlorophenol	320	U
95-48-7	2-Methylphenol	320	U
108-60-1	2,2'-Oxybis(1-chloropropane)	320	U
98-86-2	Acetophenone	320	U
106-44-5	4-Methylphenol	320	U
621-64-7	N-Nitroso-di-n-propylamine	320	U
67-72-1	Hexachloroethane	320	U
98-95-3	Nitrobenzene	320	U
78-59-1	Isophorone	320	U
88-75-5	2-Nitrophenol	320	U
105-67-9	2,4-Dimethylphenol	320	U
111-91-1	Bis(2-chloroethoxy)methane	320	U
120-83-2	2,4-Dichlorophenol	320	U
91-20-3	Naphthalene	320	U
106-47-8	4-Chloroaniline	320	U
87-68-3	Hexachlorobutadiene	320	U
105-60-2	Caprolactam	320	U
59-50-7	4-Chloro-3-methylphenol	320	U
91-57-6	2-Methylnaphthalene	320	U
77-47-4	Hexachlorocyclopentadiene	320	U
88-06-2	2,4,6-Trichlorophenol	320	U
95-95-4	2,4,5-Trichlorophenol	320	U
92-52-4	1,1'-Biphenyl	320	U
91-58-7	2-Chloronaphthalene	320	U
88-74-4	2-Nitroaniline	620	U
131-11-3	Dimethylphthalate	320	U
606-20-2	2,6-Dinitrotoluene	320	U
208-96-8	Acenaphthylene	320	U
99-09-2	3-Nitroaniline	620	U
83-32-9	Acenaphthene	320	U

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SOM01.2 (8/2007)

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1E - FORM I SV-2
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

JAHEO

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036
 Lab Code: A4 Case No.: 37954 Mod. Ref No.: SDG No.: JAHD7
 Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0009680-04
 Sample wt/vol: 30.9 (g/mL) g Lab File ID: D8890.D
 Level: (LOW/MED) LOW Extraction: (Type) SONC
 % Moisture: 48.7 Decanted: (Y/N) N Date Received: 10/25/2008
 Concentrated Extract Volume: 500 (uL) Date Extracted: 10/28/2008
 Injection Volume: 1.0 (uL) GPC Factor: 2.0 Date Analyzed: 10/31/2008
 GPC Cleanup: (Y/N) Y pH: 7.1 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/kg</u>	Q
51-28-5	2,4-Dinitrophenol	620	U ^{TK}
100-02-7	4-Nitrophenol	620	U
132-64-9	Dibenzofuran	320	U
121-14-2	2,4-Dinitrotoluene	320	U
84-66-2	Diethylphthalate	320	U
86-73-7	Fluorene	320	U
7005-72-3	4-Chlorophenyl-phenylether	320	U
100-01-6	4-Nitroaniline	620	U
534-52-1	4,6-Dinitro-2-methylphenol	620	U
86-30-6	N-Nitrosodiphenylamine (1)	320	U
95-94-3	1,2,4,5-Tetrachlorobenzene	320	U
101-55-3	4-Bromophenyl-phenylether	320	U
118-74-1	Hexachlorobenzene	320	U
1912-24-9	Atrazine	320	U
87-86-5	Pentachlorophenol	620	U
85-01-8	Phenanthrene	320	U
120-12-7	Anthracene	320	U
86-74-8	Carbazole	320	U
84-74-2	Di-n-butylphthalate	320	U
206-44-0	Fluoranthene	320	U
129-00-0	Pyrene	320	U
85-68-7	Butylbenzylphthalate	320	U
91-94-1	3,3'-Dichlorobenzidine	320	U
56-55-3	Benzo (a) anthracene	320	U
218-01-9	Chrysene	320	U
117-81-7	Bis(2-ethylhexyl)phthalate	320	U
117-84-0	Di-n-octylphthalate	320	U
205-99-2	Benzo (b) fluoranthene	320	U
207-08-9	Benzo (k) fluoranthene	320	U
50-32-8	Benzo (a) pyrene	320	U
193-39-5	Indeno (1,2,3-cd) pyrene	320	U
53-70-3	Dibenzo (a,h) anthracene	320	U
191-24-2	Benzo (g,h,i) perylene	320	U
58-90-2	2,3,4,6-Tetrachlorophenol	320	U

¹Cannot be separated from Diphenylamine

1K - FORM I SV-TIC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

JAHEO

Lab Name:	A4 SCIENTIFIC, INC.	Contract:	EPW05036			
Lab Code:	A4	Case No.:	37954	Mod. Ref No.:	SDG No.:	JAH07
Matrix:	(SOIL/SED/WATER)	SOIL	Lab Sample ID:	0009680-04		
Sample wt/vol:	30.9	(g/mL)	g	Lab File ID:	D8890.D	
Level:	(TRACE or LOW/MED)	LOW	Extraction:	(Type)	SONC	
% Moisture:	48.7	Decanted:	(Y/N)	N	Date Received:	10/25/2008
Concentrated Extract Volume:	500	(uL)	Date Extracted:	10/28/2008		
Injection Volume:	1.0	(uL)	GPC Factor:	2.0	Date Analyzed:	10/31/2008
GPC Cleanup:	(Y/N)	Y	pH:	7.1	Dilution Factor:	1.0
CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg						

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01	UNKNOWN	1.18	3300	JN
02	UNKNOWN	1.24	4200	J
03	UNKNOWN	1.26	1900	J
04	UNKNOWN	1.34	540	J
05	UNKNOWN	1.98	280	J
06	UNKNOWN	2.02	480	J
07	UNKNOWN	2.10	340	J
08	UNKNOWN	2.16	1000	J
09	UNKNOWN	2.19	330	J
10	UNKNOWN	2.64	230	J
11	UNKNOWN	2.74	260	J
12	197390-29-7 Cyclopentene, 1,2,3,3,4-pen...	2.93	970	JN
13	UNKNOWN	3.02	240	JN
14	UNKNOWN	3.06	170	J
15	UNKNOWN	3.30	430	J
16	UNKNOWN	3.63	240	J
17	1000210-38-4 17-(1,5-Dimethylhexyl)-10,1...	14.89	440	JN
18	UNKNOWN	15.63	250	JN
19	000083-47-6 .gamma.-Sitosterol	16.33	230	JN
20	UNKNOWN	16.85	140	JN
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				
E966796 ²	Total Alkanes	N/A		

²EPA-designated Registry Number.

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SCM01.2 (8/2007)

000000457

1D - FORM I SV-1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

JAHE1

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036
 Lab Code: A4 Case No.: 37954 Mod. Ref No.: SDG No.: JAHD7
 Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0009680-05
 Sample wt/vol: 30.5 (g/mL) g Lab File ID: D8891.D
 Level: (LOW/MED) LOW Extraction: (Type) SONC
 % Moisture: 39.1 Decanted: (Y/N) N Date Received: 10/25/2008
 Concentrated Extract Volume: 500 (uL) Date Extracted: 10/28/2008
 Injection Volume: 1.0 (uL) GPC Factor: 2.0 Date Analyzed: 10/31/2008
 GPC Cleanup: (Y/N) Y pH: 7.3 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/kg</u>	Q
100-52-7	Benzaldehyde	270	U
108-95-2	Phenol	270	U
111-44-4	Bis(2-chloroethyl)ether	270	U
95-57-8	2-Chlorophenol	270	U
95-48-7	2-Methylphenol	270	U
108-60-1	2,2'-Oxybis(1-chloropropane)	270	U
98-86-2	Acetophenone	270	U
106-44-5	4-Methylphenol	270	U
621-64-7	N-Nitroso-di-n-propylamine	270	U
67-72-1	Hexachloroethane	270	U
98-95-3	Nitrobenzene	270	U
78-59-1	Isophorone	270	U
88-75-5	2-Nitrophenol	270	U
105-67-9	2,4-Dimethylphenol	270	U
111-91-1	Bis(2-chloroethoxy)methane	270	U
120-83-2	2,4-Dichlorophenol	270	U
91-20-3	Naphthalene	270	U
106-47-8	4-Chloroaniline	270	U
87-68-3	Hexachlorobutadiene	270	U
105-60-2	Caprolactam	270	U
59-50-7	4-Chloro-3-methylphenol	270	U
91-57-6	2-Methylnaphthalene	270	U
77-47-4	Hexachlorocyclopentadiene	270	U
88-06-2	2,4,6-Trichlorophenol	270	U
95-95-4	2,4,5-Trichlorophenol	270	U
92-52-4	1,1'-Biphenyl	270	U
91-58-7	2-Chloronaphthalene	270	U
88-74-4	2-Nitroaniline	530	U
131-11-3	Dimethylphthalate	270	U
606-20-2	2,6-Dinitrotoluene	270	U
208-96-8	Acenaphthylene	270	U
99-09-2	3-Nitroaniline	530	U
83-32-9	Acenaphthene	270	U

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11/20/08

1E - FORM I SV-2
SEMOVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

JAHE1

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036
 Lab Code: A4 Case No.: 37954 Mod. Ref No.: SDG No.: JAHD7
 Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0009680-05
 Sample wt/vol: 30.5 (g/mL) g Lab File ID: D8891.D
 Level: (LOW/MED) LOW Extraction: (Type) SONC
 % Moisture: 39.1 Decanted: (Y/N) N Date Received: 10/25/2008
 Concentrated Extract Volume: 500 (uL) Date Extracted: 10/28/2008
 Injection Volume: 1.0 (uL) GPC Factor: 2.0 Date Analyzed: 10/31/2008
 GPC Cleanup: (Y/N) Y pH: 7.3 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
51-28-5	2,4-Dinitrophenol	530	U TK
100-02-7	4-Nitrophenol	530	U
132-64-9	Dibenzofuran	270	U
121-14-2	2,4-Dinitrotoluene	270	U
84-66-2	Diethylphthalate	270	U
86-73-7	Fluorene	270	U
7005-72-3	4-Chlorophenyl-phenylether	270	U
100-01-6	4-Nitroaniline	530	U
534-52-1	4,6-Dinitro-2-methylphenol	530	U
86-30-6	N-Nitrosodiphenylamine (1)	270	U
95-94-3	1,2,4,5-Tetrachlorobenzene	270	U
101-55-3	4-Bromophenyl-phenylether	270	U
118-74-1	Hexachlorobenzene	270	U
1912-24-9	Atrazine	270	U
87-86-5	Pentachlorophenol	530	U
85-01-8	Phenanthrene	270	U
120-12-7	Anthracene	270	U
86-74-8	Carbazole	270	U
84-74-2	Di-n-butylphthalate	270	U
206-44-0	Fluoranthene	270	U
129-00-0	Pyrene	270	U
85-68-7	Butylbenzylphthalate	270	U
91-94-1	3,3'-Dichlorobenzidine	270	U
56-55-3	Benzo (a) anthracene	270	U
218-01-9	Chrysene	270	U
117-81-7	Bis(2-ethylhexyl)phthalate	270	U
117-84-0	Di-n-octylphthalate	270	U
205-99-2	Benzo (b) fluoranthene	270	U
207-08-9	Benzo (k) fluoranthene	270	U
50-32-8	Benzo (a) pyrene	270	U
193-39-5	Indeno (1,2,3-cd) pyrene	270	U
53-70-3	Dibenzo (a,h) anthracene	270	U
191-24-2	Benzo (g,h,i) perylene	270	U
58-90-2	2,3,4,6-Tetrachlorophenol	270	U

¹Cannot be separated from Diphenylamine

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11/20/08

SOM01.2 (8/2007)

000000492

1K - FORM I SV-TIC
 SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
 TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

JAHE1

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036
 Lab Code: A4 Case No.: 37954 Mod. Ref No.: SDG No.: JAHD7
 Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0009680-05
 Sample wt/vol: 30.5 (g/mL) g Lab File ID: D8891.D
 Level: (TRACE or LOW/MED) LOW Extraction: (Type) SONC
 % Moisture: 39.1 Decanted: (Y/N) N Date Received: 10/25/2008
 Concentrated Extract Volume: 500 (uL) Date Extracted: 10/28/2008
 Injection Volume: 1.0 (uL) GPC Factor: 2.0 Date Analyzed: 10/31/2008
 GPC Cleanup: (Y/N) Y pH: 7.3 Dilution Factor: 1.0
 CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01	UNKNOWN	1.17	2800	JN
02	UNKNOWN	1.24	2600	J
03	UNKNOWN	1.26	1300	J
04	UNKNOWN	1.34	410	J
05	UNKNOWN	1.69	190	J
06	UNKNOWN	1.98	110	J
07	UNKNOWN	2.02	340	J
08	UNKNOWN	2.10	240	J
09	UNKNOWN	2.16	680	J
10	UNKNOWN	2.19	150	J
11	UNKNOWN	2.64	170	J
12	UNKNOWN	2.74	210	J
13	197390-29-7 Cyclopentene, 1,2,3,3,4-pen...	2.93	700	JN
14	UNKNOWN	3.02	170	JN
15	UNKNOWN	3.06	120	J
16	UNKNOWN	3.17	450	J
17	UNKNOWN	3.30	320	J
18	UNKNOWN	3.63	150	J
19	007390-81-0 Oxirane, hexadecyl-	13.35	220	JN
20	000638-66-4 Octadecanal	14.29	130	JN
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				
	E966796 ² Total Alkanes	N/A		

²EPA-designated Registry Number.

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 11/20/08

1D - FORM I SV-1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

JAHE4

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036
 Lab Code: A4 Case No.: 37954 Mod. Ref No.: SDG No.: JAH07
 Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0009680-06
 Sample wt/vol: 30.4 (g/mL) g Lab File ID: D8892.D
 Level: (LOW/MED) LOW Extraction: (Type) SONC
 % Moisture: 8.3 Decanted: (Y/N) N Date Received: 10/25/2008
 Concentrated Extract Volume: 500 (uL) Date Extracted: 10/28/2008
 Injection Volume: 1.0 (uL) GPC Factor: 2.0 Date Analyzed: 10/31/2008
 GPC Cleanup: (Y/N) Y pH: 9.2 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
100-52-7	Benzaldehyde	180	U
108-95-2	Phenol	180	U
111-44-4	Bis(2-chloroethyl)ether	180	U
95-57-8	2-Chlorophenol	180	U
95-48-7	2-Methylphenol	180	U
108-60-1	2,2'-Oxybis(1-chloropropane)	180	U
98-86-2	Acetophenone	180	U
106-44-5	4-Methylphenol	180	U
621-64-7	N-Nitroso-di-n-propylamine	180	U
67-72-1	Hexachloroethane	180	U
98-95-3	Nitrobenzene	180	U
78-59-1	Isophorone	180	U
88-75-5	2-Nitrophenol	180	U
105-67-9	2,4-Dimethylphenol	180	U
111-91-1	Bis(2-chloroethoxy)methane	180	U
120-83-2	2,4-Dichlorophenol	180	U
91-20-3	Naphthalene	180	U
106-47-8	4-Chloroaniline	180	U
87-68-3	Hexachlorobutadiene	180	U
105-60-2	Caprolactam	180	U
59-50-7	4-Chloro-3-methylphenol	180	U
91-57-6	2-Methylnaphthalene	180	U
77-47-4	Hexachlorocyclopentadiene	180	U
88-06-2	2,4,6-Trichlorophenol	180	U
95-95-4	2,4,5-Trichlorophenol	180	U
92-52-4	1,1'-Biphenyl	180	U
91-58-7	2-Chloronaphthalene	180	U
88-74-4	2-Nitroaniline	360	U
131-11-3	Dimethylphthalate	180	U
606-20-2	2,6-Dinitrotoluene	180	U
208-96-8	Acenaphthylene	180	U
99-09-2	3-Nitroaniline	360	U
83-32-9	Acenaphthene	180	U

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11/20/08

SOM01.2 (8/2007)

000000525

1E - FORM I SV-2
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

JAHE4

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036
 Lab Code: A4 Case No.: 37954 Mod. Ref No.: SDG No.: JAHD7
 Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0009680-06
 Sample wt/vol: 30.4 (g/mL) g Lab File ID: D8892.D
 Level: (LOW/MED) LOW Extraction: (Type) SONC
 % Moisture: 8.3 Decanted: (Y/N) N Date Received: 10/25/2008
 Concentrated Extract Volume: 500 (uL) Date Extracted: 10/28/2008
 Injection Volume: 1.0 (uL) GPC Factor: 2.0 Date Analyzed: 10/31/2008
 GPC Cleanup: (Y/N) Y pH: 9.2 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
51-28-5	2,4-Dinitrophenol	360	UJK
100-02-7	4-Nitrophenol	360	U
132-64-9	Dibenzofuran	180	U
121-14-2	2,4-Dinitrotoluene	180	U
84-66-2	Diethylphthalate	180	U
86-73-7	Fluorene	180	U
7005-72-3	4-Chlorophenyl-phenylether	180	U
100-01-6	4-Nitroaniline	360	U
534-52-1	4,6-Dinitro-2-methylphenol	360	U
86-30-6	N-Nitrosodiphenylamine (1)	180	U
95-94-3	1,2,4,5-Tetrachlorobenzene	180	U
101-55-3	4-Bromophenyl-phenylether	180	U
118-74-1	Hexachlorobenzene	180	U
1912-24-9	Atrazine	180	U
87-86-5	Pentachlorophenol	360	U
85-01-8	Phenanthrene	180	U
120-12-7	Anthracene	180	U
86-74-8	Carbazole	180	U
84-74-2	Di-n-butylphthalate	180	U
206-44-0	Fluoranthene	180	U
129-00-0	Pyrene	180	U
85-68-7	Butylbenzylphthalate	180	U
91-94-1	3,3'-Dichlorobenzidine	180	U
56-55-3	Benzo (a) anthracene	180	U
218-01-9	Chrysene	180	U
117-81-7	Bis(2-ethylhexyl)phthalate	180	U
117-84-0	Di-n-octylphthalate	180	U
205-99-2	Benzo (b) fluoranthene	180	U
207-08-9	Benzo (k) fluoranthene	180	U
50-32-8	Benzo (a) pyrene	180	U
193-39-5	Indeno (1,2,3-cd) pyrene	180	U
53-70-3	Dibenzo (a,h) anthracene	180	U
191-24-2	Benzo (g,h,i) perylene	180	U
58-90-2	2,3,4,6-Tetrachlorophenol	180	U

¹Cannot be separated from Diphenylamine

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11/20/08

1K - FORM I SV-TIC
 SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
 TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

JAHE4

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036
 Lab Code: A4 Case No.: 37954 Mod. Ref No.: SDG No.: JAHD7
 Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0009680-06
 Sample wt/vol: 30.4 (g/mL) g Lab File ID: D8892.D
 Level: (TRACE or LOW/MED) LOW Extraction: (Type) SONC
 % Moisture: 8.3 Decanted: (Y/N) N Date Received: 10/25/2008
 Concentrated Extract Volume: 500 (uL) Date Extracted: 10/28/2008
 Injection Volume: 1.0 (uL) GPC Factor: 2.0 Date Analyzed: 10/31/2008
 GPC Cleanup: (Y/N) Y pH: 9.2 Dilution Factor: 1.0
 CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01	UNKNOWN	1.18	2400	JN
02	UNKNOWN	1.24	3000	J
03	UNKNOWN	1.34	270	J
04	UNKNOWN	1.39	92	J
05	UNKNOWN	1.70	140	J
06	UNKNOWN	1.98	92	J
07	UNKNOWN	2.02	220	J
08	UNKNOWN	2.10	140	J
09	UNKNOWN	2.16	490	J
10	UNKNOWN	2.20	110	J
11	UNKNOWN	2.64	120	J
12	197390-29-7 Cyclopentene, 1,2,3,3,4-pen...	2.74	140	JN
13	1000154-28-6 Cyclopentene, 1,2,3,4,5-pen...	2.93	510	JN
14	UNKNOWN	3.02	130	JN
15	UNKNOWN	3.06	82	J
16	UNKNOWN	3.30	220	J
17	UNKNOWN	3.63	120	J
18	000083-46-5 .beta.-Sitosterol	16.35	320	JN
19	001058-61-3 Stigmast-4-en-3-one	17.55	150	JN
20				
21				
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29				
30				
	E966796 ² Total Alkanes	N/A	410	

²EPA-designated Registry Number.

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11/20/08

SOM01.2 (8/2007)

000000527

1D - FORM I SV-1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

JAHE5

Lab Name:	A4 SCIENTIFIC, INC.	Contract:	EPW05036			
Lab Code:	A4	Case No.:	37954	Mod. Ref No.:	SDG No.:	JAHD7
Matrix:	(SOIL/SED/WATER)	SOIL	Lab Sample ID:	0009680-07		
Sample wt/vol:	30.2	(g/mL)	g	Lab File ID:	D8909.D	
Level:	(LOW/MED)	LOW	Extraction: (Type)	SONC		
% Moisture:	1.8	Decanted: (Y/N)	N	Date Received:	10/25/2008	
Concentrated Extract Volume:	500	(uL)	Date Extracted:	10/28/2008		
Injection Volume:	1.0	(uL)	GPC Factor:	2.0	Date Analyzed:	11/04/2008
GPC Cleanup: (Y/N)	Y	pH:	8.1	Dilution Factor:	1.0	

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
100-52-7	Benzaldehyde	170	U
108-95-2	Phenol	170	U
111-44-4	Bis(2-chloroethyl)ether	170	U
95-57-8	2-Chlorophenol	170	U
95-48-7	2-Methylphenol	170	U
108-60-1	2,2'-Oxybis(1-chloropropane)	170	U
98-86-2	Acetophenone	170	U
106-44-5	4-Methylphenol	170	U
621-64-7	N-Nitroso-di-n-propylamine	170	U
67-72-1	Hexachloroethane	170	U
98-95-3	Nitrobenzene	170	U
78-59-1	Isophorone	170	U
88-75-5	2-Nitrophenol	170	U
105-67-9	2,4-Dimethylphenol	170	U
111-91-1	Bis(2-chloroethoxy)methane	170	U
120-83-2	2,4-Dichlorophenol	170	U
91-20-3	Naphthalene	170	U
106-47-8	4-Chloroaniline	170	U
87-68-3	Hexachlorobutadiene	170	U
105-60-2	Caprolactam	170	U
59-50-7	4-Chloro-3-methylphenol	170	U
91-57-6	2-Methylnaphthalene	170	U
77-47-4	Hexachlorocyclopentadiene	170	U
88-06-2	2,4,6-Trichlorophenol	170	U
95-95-4	2,4,5-Trichlorophenol	170	U
92-52-4	1,1'-Biphenyl	170	U
91-58-7	2-Chloronaphthalene	170	U
88-74-4	2-Nitroaniline	330	U
131-11-3	Dimethylphthalate	170	U
606-20-2	2,6-Dinitrotoluene	170	U
208-96-8	Acenaphthylene	170	U
99-09-2	3-Nitroaniline	330	U
83-32-9	Acenaphthene	170	U

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11/20/08

1E - FORM I SV-2
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

JAHE5

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036
 Lab Code: A4 Case No.: 37954 Mod. Ref No.: SDG No.: JAH7
 Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0009680-07
 Sample wt/vol: 30.2 (g/mL) g Lab File ID: D8909.D
 Level: (LOW/MED) LOW Extraction: (Type) SONC
 % Moisture: 1.8 Decanted: (Y/N) N Date Received: 10/25/2008
 Concentrated Extract Volume: 500 (uL) Date Extracted: 10/28/2008
 Injection Volume: 1.0 (uL) GPC Factor: 2.0 Date Analyzed: 11/04/2008
 GPC Cleanup: (Y/N) Y pH: 8.1 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/kg</u>	Q
51-28-5	2,4-Dinitrophenol	330	U TK
100-02-7	4-Nitrophenol	330	U
132-64-9	Dibenzofuran	170	U
121-14-2	2,4-Dinitrotoluene	170	U
84-66-2	Diethylphthalate	170	U
86-73-7	Fluorene	170	U
7005-72-3	4-Chlorophenyl-phenylether	170	U
100-01-6	4-Nitroaniline	330	U
534-52-1	4,6-Dinitro-2-methylphenol	330	U
86-30-6	N-Nitrosodiphenylamine (1)	170	U
95-94-3	1,2,4,5-Tetrachlorobenzene	170	U
101-55-3	4-Bromophenyl-phenylether	170	U
118-74-1	Hexachlorobenzene	170	U
1912-24-9	Atrazine	170	U
87-86-5	Pentachlorophenol	330	U
85-01-8	Phenanthrene	170	U
120-12-7	Anthracene	170	U
86-74-8	Carbazole	170	U
84-74-2	Di-n-butylphthalate	170	U
206-44-0	Fluoranthene	170	U
129-00-0	Pyrene	170	U
85-68-7	Butylbenzylphthalate	170	U
91-94-1	3,3'-Dichlorobenzidine	170	U
56-55-3	Benzo (a) anthracene	170	U
218-01-9	Chrysene	170	U
117-81-7	Bis(2-ethylhexyl)phthalate	170	U
117-84-0	Di-n-octylphthalate	170	U
205-99-2	Benzo (b) fluoranthene	170	U
207-08-9	Benzo (k) fluoranthene	170	U
50-32-8	Benzo (a) pyrene	170	U
193-39-5	Indeno (1,2,3-cd) pyrene	170	U
53-70-3	Dibenzo (a,h) anthracene	170	U
191-24-2	Benzo (g,h,i) perylene	170	U
58-90-2	2,3,4,6-Tetrachlorophenol	170	U

¹Cannot be separated from Diphenylamine

1K - FORM I SV-TIC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

JAHE5

Lab Name:	A4 SCIENTIFIC, INC.	Contract:	EPW05036			
Lab Code:	A4	Case No.:	37954	Mod. Ref No.:	SDG No.:	JAHD7
Matrix:	(SOIL/SED/WATER)	SOIL	Lab Sample ID:	0009680-07		
Sample wt/vol:	30.2	(g/mL)	g	Lab File ID:	D8909.D	
Level:	(TRACE or LOW/MED)	LOW	Extraction: (Type)	SONC		
% Moisture:	1.8	Decanted: (Y/N)	N	Date Received:	10/25/2008	
Concentrated Extract Volume:	500	(uL)	Date Extracted:	10/28/2008		
Injection Volume:	1.0	(uL)	GPC Factor:	2.0	Date Analyzed:	11/04/2008
GPC Cleanup: (Y/N)	Y	pH:	8.1	Dilution Factor:	1.0	
CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg						

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01	UNKNOWN	1.18	1600	JN
02	UNKNOWN	1.24	2200	J
03	UNKNOWN	1.26	1000	J
04	UNKNOWN	1.34	130	J
05	UNKNOWN	1.70	140	J
06	UNKNOWN	2.02	200	J
07	UNKNOWN	2.10	140	J
08	UNKNOWN	2.17	210	J
09	UNKNOWN	2.74	140	J
10	197390-29-7 Cyclopentene, 1,2,3,3,4-pen... (O2)	2.93	510	JN
11	UNKNOWN	3.06	75	JN
12	UNKNOWN	3.30	190	J
13	UNKNOWN	3.63	69	J
14	UNKNOWN	16.78	120	J
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				
E966796 ²	Total Alkanes	N/A	680	

²EPA-designated Registry Number.

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11/20/08

SOM01.2 (8/2007)

000000562

1D - FORM I SV-1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

JAHE6

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036
 Lab Code: A4 Case No.: 37954 Mod. Ref No.: SDG No.: JAHD7
 Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0009680-08
 Sample wt/vol: 30.1 (g/mL) g Lab File ID: D8906.D
 Level: (LOW/MED) LOW Extraction: (Type) SONC
 % Moisture: 1.5 Decanted: (Y/N) N Date Received: 10/25/2008
 Concentrated Extract Volume: 500 (uL) Date Extracted: 10/28/2008
 Injection Volume: 1.0 (uL) GPC Factor: 2.0 Date Analyzed: 11/04/2008
 GPC Cleanup: (Y/N) Y pH: 9.4 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
100-52-7	Benzaldehyde	170	U
108-95-2	Phenol	170	U
111-44-4	Bis(2-chloroethyl)ether	170	U
95-57-8	2-Chlorophenol	170	U
95-48-7	2-Methylphenol	170	U
108-60-1	2,2'-Oxybis(1-chloropropane)	170	U
98-86-2	Acetophenone	170	U
106-44-5	4-Methylphenol	170	U
621-64-7	N-Nitroso-di-n-propylamine	170	U
67-72-1	Hexachloroethane	170	U
98-95-3	Nitrobenzene	170	U
78-59-1	Isophorone	170	U
88-75-5	2-Nitrophenol	170	U
105-67-9	2,4-Dimethylphenol	170	U
111-91-1	Bis(2-chloroethoxy)methane	170	U
120-83-2	2,4-Dichlorophenol	170	U
91-20-3	Naphthalene	170	U
106-47-8	4-Chloroaniline	170	U
87-68-3	Hexachlorobutadiene	170	U
105-60-2	Caprolactam	170	U
59-50-7	4-Chloro-3-methylphenol	170	U
91-57-6	2-Methylnaphthalene	170	U
77-47-4	Hexachlorocyclopentadiene	170	U
88-06-2	2,4,6-Trichlorophenol	170	U
95-95-4	2,4,5-Trichlorophenol	170	U
92-52-4	1,1'-Biphenyl	170	U
91-58-7	2-Chloronaphthalene	170	U
88-74-4	2-Nitroaniline	330	U
131-11-3	Dimethylphthalate	170	U
606-20-2	2,6-Dinitrotoluene	170	U
208-96-8	Acenaphthylene	170	U
99-09-2	3-Nitroaniline	330	U
83-32-9	Acenaphthene	170	U


11/20/08

SOM01.2 (8/2007)

000000591

1E - FORM I SV-2
SEMOVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

JAHE6

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036
 Lab Code: A4 Case No.: 37954 Mod. Ref No.: SDG No.: JAHD7
 Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0009680-08
 Sample wt/vol: 30.1 (g/mL) g Lab File ID: D8906.D
 Level: (LOW/MED) LOW Extraction: (Type) SONC
 % Moisture: 1.5 Decanted: (Y/N) N Date Received: 10/25/2008
 Concentrated Extract Volume: 500 (uL) Date Extracted: 10/28/2008
 Injection Volume: 1.0 (uL) GPC Factor: 2.0 Date Analyzed: 11/04/2008
 GPC Cleanup: (Y/N) Y pH: 9.4 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
51-28-5	2,4-Dinitrophenol	330	U ^{TK}
100-02-7	4-Nitrophenol	330	U
132-64-9	Dibenzofuran	170	U
121-14-2	2,4-Dinitrotoluene	170	U
84-66-2	Diethylphthalate	170	U
86-73-7	Fluorene	170	U
7005-72-3	4-Chlorophenyl-phenylether	170	U
100-01-6	4-Nitroaniline	330	U
534-52-1	4,6-Dinitro-2-methylphenol	330	U
86-30-6	N-Nitrosodiphenylamine (1)	170	U
95-94-3	1,2,4,5-Tetrachlorobenzene	170	U
101-55-3	4-Bromophenyl-phenylether	170	U
118-74-1	Hexachlorobenzene	170	U
1912-24-9	Atrazine	170	U
87-86-5	Pentachlorophenol	330	U
85-01-8	Phenanthrene	170	U
120-12-7	Anthracene	170	U
86-74-8	Carbazole	170	U
84-74-2	Di-n-butylphthalate	170	U
206-44-0	Fluoranthene	170	U
129-00-0	Pyrene	170	U
85-68-7	Butylbenzylphthalate	170	U
91-94-1	3,3'-Dichlorobenzidine	170	U
56-55-3	Benzo (a) anthracene	170	U
218-01-9	Chrysene	170	U
117-81-7	Bis(2-ethylhexyl)phthalate	170	U
117-84-0	Di-n-octylphthalate	170	U
205-99-2	Benzo (b) fluoranthene	170	U
207-08-9	Benzo (k) fluoranthene	170	U
50-32-8	Benzo (a) pyrene	170	U
193-39-5	Indeno (1,2,3-cd) pyrene	170	U
53-70-3	Dibenzo (a,h) anthracene	170	U
191-24-2	Benzo (g,h,i) perylene	170	U
58-90-2	2,3,4,6-Tetrachlorophenol	170	U

¹Cannot be separated from Diphenylamine

1K - FORM I SV-TIC
 SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
 TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

JAHE6

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036
 Lab Code: A4 Case No.: 37954 Mod. Ref No.: SDG No.: JAHD7
 Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0009680-08
 Sample wt/vol: 30.1 (g/mL) g Lab File ID: D8906.D
 Level: (TRACE or LOW/MED) LOW Extraction: (Type) SONC
 % Moisture: 1.5 Decanted: (Y/N) N Date Received: 10/25/2008
 Concentrated Extract Volume: 500 (uL) Date Extracted: 10/28/2008
 Injection Volume: 1.0 (uL) GPC Factor: 2.0 Date Analyzed: 11/04/2008
 GPC Cleanup: (Y/N) Y pH: 9.4 Dilution Factor: 1.0
 CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01	UNKNOWN	1.18	2000	JN
02	UNKNOWN	1.24	2500	J
03	UNKNOWN	1.26	1100	J
04	UNKNOWN	1.34	180	J
05	UNKNOWN	1.70	150	J
06	000544-25-2 1,3,5-Cycloheptatriene	1.80	130	JN
07	UNKNOWN	2.02	240	JN
08	UNKNOWN	2.10	180	J
09	UNKNOWN	2.16	260	J
10	UNKNOWN	2.20	88	J
11	UNKNOWN	2.64	160	J
12	UNKNOWN	2.74	160	J
13	197390-29-7 Cyclopentene, 1,2,3,3,4-pen...	2.93	620	JN
14	UNKNOWN	3.02	180	JN
15	UNKNOWN	3.06	100	J
16	UNKNOWN	3.17	440	J
17	UNKNOWN	3.30	210	J
18	UNKNOWN	3.63	72	J
19	UNKNOWN	16.31	70	J
20	UNKNOWN	16.79	130	J
21	UNKNOWN	17.17	210	J
22	UNKNOWN	17.32	210	J
23	UNKNOWN	17.62	320	J
24	UNKNOWN	18.06	120	J
25				
26				
27				
28				
29				
30				
E966796 ²	Total Alkanes	N/A	110	

²EPA-designated Registry Number.

1D - FORM I SV-1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

JAHE7

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036
 Lab Code: A4 Case No.: 37954 Mod. Ref No.: SDG No.: JAHD7
 Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0009680-09
 Sample wt/vol: 30.2 (g/mL) g Lab File ID: D8900.D
 Level: (LOW/MED) LOW Extraction: (Type) SONC
 % Moisture: 2.3 Decanted: (Y/N) N Date Received: 10/25/2008
 Concentrated Extract Volume: 500 (uL) Date Extracted: 10/28/2008
 Injection Volume: 1.0 (uL) GPC Factor: 2.0 Date Analyzed: 11/01/2008
 GPC Cleanup: (Y/N) Y pH: 9.4 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
100-52-7	Benzaldehyde	170	U
108-95-2	Phenol	170	U
111-44-4	Bis(2-chloroethyl)ether	170	U
95-57-8	2-Chlorophenol	170	U
95-48-7	2-Methylphenol	170	U
108-60-1	2,2'-Oxybis(1-chloropropane)	170	U
98-86-2	Acetophenone	170	U
106-44-5	4-Methylphenol	170	U
621-64-7	N-Nitroso-di-n-propylamine	170	U
67-72-1	Hexachloroethane	170	U
98-95-3	Nitrobenzene	170	U
78-59-1	Isophorone	170	U
88-75-5	2-Nitrophenol	170	U
105-67-9	2,4-Dimethylphenol	170	U
111-91-1	Bis(2-chloroethoxy)methane	170	U
120-83-2	2,4-Dichlorophenol	170	U
91-20-3	Naphthalene	170	U
106-47-8	4-Chloroaniline	170	U
87-68-3	Hexachlorobutadiene	170	U
105-60-2	Caprolactam	170	U
59-50-7	4-Chloro-3-methylphenol	170	U
91-57-6	2-Methylnaphthalene	170	U
77-47-4	Hexachlorocyclopentadiene	170	U
88-06-2	2,4,6-Trichlorophenol	170	U
95-95-4	2,4,5-Trichlorophenol	170	U
92-52-4	1,1'-Biphenyl	170	U
91-58-7	2-Chloronaphthalene	170	U
88-74-4	2-Nitroaniline	340	U
131-11-3	Dimethylphthalate	170	U
606-20-2	2,6-Dinitrotoluene	170	U
208-96-8	Acenaphthylene	170	U
99-09-2	3-Nitroaniline	340	U
83-32-9	Acenaphthene	170	U

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11/20/08

1E - FORM I SV-2
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

JAHE7

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036
 Lab Code: A4 Case No.: 37954 Mod. Ref No.: SDG No.: JAHD7
 Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0009680-09
 Sample wt/vol: 30.2 (g/mL) g Lab File ID: D8900.D
 Level: (LOW/MED) LOW Extraction: (Type) SONC
 % Moisture: 2.3 Decanted: (Y/N) N Date Received: 10/25/2008
 Concentrated Extract Volume: 500 (uL) Date Extracted: 10/28/2008
 Injection Volume: 1.0 (uL) GPC Factor: 2.0 Date Analyzed: 11/01/2008
 GPC Cleanup: (Y/N) Y pH: 9.4 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg)	ug/kg	Q
51-28-5	2, 4-Dinitrophenol	340	uIK	
100-02-7	4-Nitrophenol	340	U	
132-64-9	Dibenzofuran	170	U	
121-14-2	2, 4-Dinitrotoluene	170	U	
84-66-2	Diethylphthalate	170	U	
86-73-7	Fluorene	170	U	
7005-72-3	4-Chlorophenyl-phenylether	170	U	
100-01-6	4-Nitroaniline	340	U	
534-52-1	4, 6-Dinitro-2-methylphenol	340	U	
86-30-6	N-Nitrosodiphenylamine (1)	170	U	
95-94-3	1, 2, 4, 5-Tetrachlorobenzene	170	U	
101-55-3	4-Bromophenyl-phenylether	170	U	
118-74-1	Hexachlorobenzene	170	U	
1912-24-9	Atrazine	170	U	
87-86-5	Pentachlorophenol	340	U	
85-01-8	Phenanthrene	170	U	
120-12-7	Anthracene	170	U	
86-74-8	Carbazole	170	U	
84-74-2	Di-n-butylphthalate	170	U	
206-44-0	Fluoranthene	170	U	
129-00-0	Pyrene	170	U	
85-68-7	Butylbenzylphthalate	170	U	
91-94-1	3, 3'-Dichlorobenzidine	170	U	
56-55-3	Benzo (a) anthracene	170	U	
218-01-9	Chrysene	170	U	
117-81-7	Bis(2-ethylhexyl)phthalate	170	U	
117-84-0	Di-n-octylphthalate	170	U	
205-99-2	Benzo (b) fluoranthene	170	U	
207-08-9	Benzo (k) fluoranthene	170	U	
50-32-8	Benzo (a) pyrene	170	U	
193-39-5	Indeno (1, 2, 3-cd) pyrene	170	U	
53-70-3	Dibenzo (a, h) anthracene	170	U	
191-24-2	Benzo (g, h, i) perylene	170	U	
58-90-2	2, 3, 4, 6-Tetrachlorophenol	170	U	

¹Cannot be separated from Diphenylamine

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11/20/08

1K - FORM I SV-TIC
 SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
 TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

JAHE7

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036
 Lab Code: A4 Case No.: 37954 Mod. Ref No.: SDG No.: JAHD7
 Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0009680-09
 Sample wt/vol: 30.2 (g/mL) g Lab File ID: D8900.D
 Level: (TRACE or LOW/MED) LOW Extraction: (Type) SONC
 % Moisture: 2.3 Decanted: (Y/N) N Date Received: 10/25/2008
 Concentrated Extract Volume: .500 (uL) Date Extracted: 10/28/2008
 Injection Volume: 1.0 (uL) GPC Factor: 2.0 Date Analyzed: 11/01/2008
 GPC Cleanup: (Y/N) Y pH: 9.4 Dilution Factor: 1.0
 CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01	UNKNOWN	1.18	2700	JN
02	UNKNOWN	1.24	2700	J
03	UNKNOWN	1.26	710	J
04	UNKNOWN	1.34	160	J
05	UNKNOWN	1.70	170	J
06	UNKNOWN	2.02	230	J
07	UNKNOWN	2.10	170	J
08	UNKNOWN	2.16	220	J
09	UNKNOWN	2.64	150	J
10	UNKNOWN	2.74	140	J
11	UNKNOWN	2.92	600	J
12	UNKNOWN	3.02	180	J
13	UNKNOWN	3.06	96	J
14	UNKNOWN	3.17	440	J
15	UNKNOWN	3.30	220	J
16	UNKNOWN	3.63	100	J
17	UNKNOWN	17.32	70	J
18	UNKNOWN	17.62	99	J
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				
E966796 ²	Total Alkanes	N/A	600	

²EPA-designated Registry Number.

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 11/20/08

1D - FORM I SV-1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

JAHE8

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036
 Lab Code: A4 Case No.: 37954 Mod. Ref No.: SDG No.: JAHD7
 Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0009680-10
 Sample wt/vol: 30.2 (g/mL) g Lab File ID: D8908.D
 Level: (LOW/MED) LOW Extraction: (Type) SONC
 % Moisture: 1.6 Decanted: (Y/N) N Date Received: 10/25/2008
 Concentrated Extract Volume: 500 (uL) Date Extracted: 10/28/2008
 Injection Volume: 1.0 (uL) GPC Factor: 2.0 Date Analyzed: 11/04/2008
 GPC Cleanup: (Y/N) Y pH: 9.7 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
100-52-7	Benzaldehyde	170	U
108-95-2	Phenol	170	U
111-44-4	Bis(2-chloroethyl)ether	170	U
95-57-8	2-Chlorophenol	170	U
95-48-7	2-Methylphenol	170	U
108-60-1	2,2'-Oxybis(1-chloropropane)	170	U
98-86-2	Acetophenone	170	U
106-44-5	4-Methylphenol	170	U
621-64-7	N-Nitroso-di-n-propylamine	170	U
67-72-1	Hexachloroethane	170	U
98-95-3	Nitrobenzene	170	U
78-59-1	Isophorone	170	U
88-75-5	2-Nitrophenol	170	U
105-67-9	2,4-Dimethylphenol	170	U
111-91-1	Bis(2-chloroethoxy)methane	170	U
120-83-2	2,4-Dichlorophenol	170	U
91-20-3	Naphthalene	170	U
106-47-8	4-Chloroaniline	170	U
87-68-3	Hexachlorobutadiene	170	U
105-60-2	Caprolactam	170	U
59-50-7	4-Chloro-3-methylphenol	170	U
91-57-6	2-Methylnaphthalene	170	U
77-47-4	Hexachlorocyclopentadiene	170	U
88-06-2	2,4,6-Trichlorophenol	170	U
95-95-4	2,4,5-Trichlorophenol	170	U
92-52-4	1,1'-Biphenyl	170	U
91-58-7	2-Chloronaphthalene	170	U
88-74-4	2-Nitroaniline	330	U
131-11-3	Dimethylphthalate	170	U
606-20-2	2,6-Dinitrotoluene	170	U
208-96-8	Acenaphthylene	170	U
99-09-2	3-Nitroaniline	330	U
83-32-9	Acenaphthene	170	U

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11/20/08

1E - FORM I SV-2
SEMICVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

JAHE8

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036
 Lab Code: A4 Case No.: 37954 Mod. Ref No.: SDG No.: JAHD7
 Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0009680-10
 Sample wt/vol: 30.2 (g/mL) g Lab File ID: D8908.D
 Level: (LOW/MED) LOW Extraction: (Type) SONC
 % Moisture: 1.6 Decanted: (Y/N) N Date Received: 10/25/2008
 Concentrated Extract Volume: 500 (uL) Date Extracted: 10/28/2008
 Injection Volume: 1.0 (uL) GPC Factor: 2.0 Date Analyzed: 11/04/2008
 GPC Cleanup: (Y/N) Y pH: 9.7 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/kg</u>	Q
51-28-5	2,4-Dinitrophenol	330	JK
100-02-7	4-Nitrophenol	330	U
132-64-9	Dibenzofuran	170	U
121-14-2	2,4-Dinitrotoluene	170	U
84-66-2	Diethylphthalate	170	U
86-73-7	Fluorene	170	U
7005-72-3	4-Chlorophenyl-phenylether	170	U
100-01-6	4-Nitroaniline	330	U
534-52-1	4,6-Dinitro-2-methylphenol	330	U
86-30-6	N-Nitrosodiphenylamine (1)	170	U
95-94-3	1,2,4,5-Tetrachlorobenzene	170	U
101-55-3	4-Bromophenyl-phenylether	170	U
118-74-1	Hexachlorobenzene	170	U
1912-24-9	Atrazine	170	U
87-86-5	Pentachlorophenol	330	U
85-01-8	Phenanthrene	170	U
120-12-7	Anthracene	170	U
86-74-8	Carbazole	170	U
84-74-2	Di-n-butylphthalate	170	U
206-44-0	Fluoranthene	170	U
129-00-0	Pyrene	170	U
85-68-7	Butylbenzylphthalate	170	U
91-94-1	3,3'-Dichlorobenzidine	170	U
56-55-3	Benzo (a) anthracene	170	U
218-01-9	Chrysene	170	U
117-81-7	Bis(2-ethylhexyl)phthalate	170	U
117-84-0	Di-n-octylphthalate	170	U
205-99-2	Benzo (b) fluoranthene	170	U
207-08-9	Benzo (k) fluoranthene	170	U
50-32-8	Benzo (a) pyrene	170	U
193-39-5	Indeno (1,2,3-cd) pyrene	170	U
53-70-3	Dibenzo (a,h) anthracene	170	U
191-24-2	Benzo (g,h,i) perylene	170	U
58-90-2	2,3,4,6-Tetrachlorophenol	170	U

¹Cannot be separated from Diphenylamine

R
11/20/08

1K - FORM I SV-TIC
 SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
 TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

JAHE8

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036
 Lab Code: A4 Case No.: 37954 Mod. Ref No.: SDG No.: JAHDT
 Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0009680-10
 Sample wt/vol: 30.2 (g/mL) g Lab File ID: D8908.D
 Level: (TRACE or LOW/MED) LOW Extraction: (Type) SONC
 % Moisture: 1.6 Decanted: (Y/N) N Date Received: 10/25/2008
 Concentrated Extract Volume: 500 (uL) Date Extracted: 10/28/2008
 Injection Volume: 1.0 (uL) GPC Factor: 2.0 Date Analyzed: 11/04/2008
 GPC Cleanup: (Y/N) Y pH: 9.7 Dilution Factor: 1.0
 CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01	UNKNOWN	1.18	1700	JN
02	UNKNOWN	1.24	2100	J
03	UNKNOWN	1.26	1200	J
04	UNKNOWN	1.34	200	J
05	UNKNOWN	1.70	130	J
06	UNKNOWN	2.02	180	J
07	UNKNOWN	2.10	170	J
08	UNKNOWN	2.17	200	J
09	UNKNOWN	2.64	140	J
10	UNKNOWN	2.74	130	J
11	1000154-28-6 Cyclopentene, 1,2,3,4,5-pen...	2.93	530	JN
12	UNKNOWN	3.06	71	JN
13	UNKNOWN	3.17	360	J
14	UNKNOWN	3.30	160	J
15	UNKNOWN	3.63	84	J
16	UNKNOWN	13.26	110	J
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				
E966796 ²	Total Alkanes	N/A	160	

²EPA-designated Registry Number.

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 11/20/08

1D - FORM I SV-1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

JAHE9

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036
 Lab Code: A4 Case No.: 37954 Mod. Ref No.: SDG No.: JAH07
 Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0009680-11
 Sample wt/vol: 30.2 (g/mL) g Lab File ID: D8895.D
 Level: (LOW/MED) LOW Extraction: (Type) SONC
 % Moisture: 1.6 Decanted: (Y/N) N Date Received: 10/25/2008
 Concentrated Extract Volume: 500 (uL) Date Extracted: 10/28/2008
 Injection Volume: 1.0 (uL) GPC Factor: 2.0 Date Analyzed: 11/01/2008
 GPC Cleanup: (Y/N) Y pH: 9.8 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg)	ug/kg	Q
100-52-7	Benzaldehyde	170		U
108-95-2	Phenol	170		U
111-44-4	Bis(2-chloroethyl)ether	170		U
95-57-8	2-Chlorophenol	170		U
95-48-7	2-Methylphenol	170		U
108-60-1	2,2'-Oxybis(1-chloropropane)	170		U
98-86-2	Acetophenone	170		U
106-44-5	4-Methylphenol	170		U
621-64-7	N-Nitroso-di-n-propylamine	170		U
67-72-1	Hexachloroethane	170		U
98-95-3	Nitrobenzene	170		U
78-59-1	Isophorone	170		U
88-75-5	2-Nitrophenol	170		U
105-67-9	2,4-Dimethylphenol	170		U
111-91-1	Bis(2-chloroethoxy)methane	170		U
120-83-2	2,4-Dichlorophenol	170		U
91-20-3	Naphthalene	170		U
106-47-8	4-Chloroaniline	170		U
87-68-3	Hexachlorobutadiene	170		U
105-60-2	Caprolactam	170		U
59-50-7	4-Chloro-3-methylphenol	170		U
91-57-6	2-Methylnaphthalene	170		U
77-47-4	Hexachlorocyclopentadiene	170		U
88-06-2	2,4,6-Trichlorophenol	170		U
95-95-4	2,4,5-Trichlorophenol	170		U
92-52-4	1,1'-Biphenyl	170		U
91-58-7	2-Chloronaphthalene	170		U
88-74-4	2-Nitroaniline	330		U
131-11-3	Dimethylphthalate	170		U
606-20-2	2,6-Dinitrotoluene	170		U
208-96-8	Acenaphthylene	170		U
99-09-2	3-Nitroaniline	330		U
83-32-9	Acenaphthene	170		U

RJ
11/20/08

1E - FORM I SV-2
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

JAHE9

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036
 Lab Code: A4 Case No.: 37954 Mod. Ref No.: SDG No.: JAHD7
 Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0009680-11
 Sample wt/vol: 30.2 (g/mL) g Lab File ID: D8895.D
 Level: (LOW/MED) LOW Extraction: (Type) SONC
 % Moisture: 1.6 Decanted: (Y/N) N Date Received: 10/25/2008
 Concentrated Extract Volume: 500 (uL) Date Extracted: 10/28/2008
 Injection Volume: 1.0 (uL) GPC Factor: 2.0 Date Analyzed: 11/01/2008
 GPC Cleanup: (Y/N) Y pH: 9.8 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
51-28-5	2,4-Dinitrophenol	330	U <small>TK</small>
100-02-7	4-Nitrophenol	330	U
132-64-9	Dibenzofuran	170	U
121-14-2	2,4-Dinitrotoluene	170	U
84-66-2	Diethylphthalate	170	U
86-73-7	Fluorene	170	U
7005-72-3	4-Chlorophenyl-phenylether	170	U
100-01-6	4-Nitroaniline	330	U
534-52-1	4,6-Dinitro-2-methylphenol	330	U
86-30-6	N-Nitrosodiphenylamine (1)	170	U
95-94-3	1,2,4,5-Tetrachlorobenzene	170	U
101-55-3	4-Bromophenyl-phenylether	170	U
118-74-1	Hexachlorobenzene	170	U
1912-24-9	Atrazine	170	U
87-86-5	Pentachlorophenol	330	U
85-01-8	Phenanthrene	170	U
120-12-7	Anthracene	170	U
86-74-8	Carbazole	170	U
84-74-2	Di-n-butylphthalate	170	U
206-44-0	Fluoranthene	170	U
129-00-0	Pyrene	170	U
85-68-7	Butylbenzylphthalate	170	U
91-94-1	3,3'-Dichlorobenzidine	170	U
56-55-3	Benzo (a) anthracene	170	U
218-01-9	Chrysene	170	U
117-81-7	Bis(2-ethylhexyl)phthalate	170	U
117-84-0	Di-n-octylphthalate	170	U
205-99-2	Benzo (b) fluoranthene	170	U
207-08-9	Benzo (k) fluoranthene	170	U
50-32-8	Benzo (a) pyrene	170	U
193-39-5	Indeno (1,2,3-cd) pyrene	170	U
53-70-3	Dibenzo (a,h) anthracene	170	U
191-24-2	Benzo (g,h,i) perylene	170	U
58-90-2	2,3,4,6-Tetrachlorophenol	170	U

¹Cannot be separated from Diphenylamine

R
11/20/08

1K - FORM I SV-TIC
 SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
 TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

JAHE9

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036
 Lab Code: A4 Case No.: 37954 Mod. Ref No.: SDG No.: JAHD7
 Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0009680-11
 Sample wt/vol: 30.2 (g/mL) g Lab File ID: D8895.D
 Level: (TRACE or LOW/MED) LOW Extraction: (Type) SONC
 % Moisture: 1.6 Decanted: (Y/N) N Date Received: 10/25/2008
 Concentrated Extract Volume: 500 (uL) Date Extracted: 10/28/2008
 Injection Volume: 1.0 (uL) GPC Factor: 2.0 Date Analyzed: 11/01/2008
 GPC Cleanup: (Y/N) Y pH: 9.8 Dilution Factor: 1.0
 CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01	UNKNOWN	1.18	2300	JN
02	UNKNOWN	1.24	2900	J
03	UNKNOWN	1.34	250	J
04	UNKNOWN	2.02	170	J
05	UNKNOWN	2.10	150	J
06	UNKNOWN	2.16	250	J
07	UNKNOWN	2.20	89	J
08	UNKNOWN	2.64	140	J
09	UNKNOWN	2.74	150	J
10	197390-29-7 Cyclopentene, 1,2,3,3,4-pen...	2.93	540	JN
11	UNKNOWN	3.06	74	JN
12	UNKNOWN	3.30	180	J
13	UNKNOWN	3.63	120	J
14	000521-61-9 9,10-Anthracenedione, 1,8-d...	12.73	99	JN
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				
E966796 ²	Total Alkanes	N/A	520	

²EPA-designated Registry Number.

R
11/20/08

1D - FORM I SV-1
SEMOVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

JAHFO

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036
 Lab Code: A4 Case No.: 37954 Mod. Ref No.: SDG No.: JAHD7
 Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0009680-12
 Sample wt/vol: 30.1 (g/mL) g Lab File ID: D8901.D
 Level: (LOW/MED) LOW Extraction: (Type) SONC
 % Moisture: 1.8 Decanted: (Y/N) N Date Received: 10/25/2008
 Concentrated Extract Volume: 500 (uL) Date Extracted: 10/28/2008
 Injection Volume: 1.0 (uL) GPC Factor: 2.0 Date Analyzed: 11/01/2008
 GPC Cleanup: (Y/N) Y pH: 9.5 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
100-52-7	Benzaldehyde	170	U
108-95-2	Phenol	170	U
111-44-4	Bis(2-chloroethyl)ether	170	U
95-57-8	2-Chlorophenol	170	U
95-48-7	2-Methylphenol	170	U
108-60-1	2,2'-Oxybis(1-chloropropane)	170	U
98-86-2	Acetophenone	170	U
106-44-5	4-Methylphenol	170	U
621-64-7	N-Nitroso-di-n-propylamine	170	U
67-72-1	Hexachloroethane	170	U
98-95-3	Nitrobenzene	170	U
78-59-1	Isophorone	98	JQ
88-75-5	2-Nitrophenol	170	U
105-67-9	2,4-Dimethylphenol	170	U
111-91-1	Bis(2-chloroethoxy)methane	170	U
120-83-2	2,4-Dichlorophenol	170	U
91-20-3	Naphthalene	170	U
106-47-8	4-Chloroaniline	170	U
87-68-3	Hexachlorobutadiene	170	U
105-60-2	Caprolactam	170	U
59-50-7	4-Chloro-3-methylphenol	170	U
91-57-6	2-Methylnaphthalene	170	U
77-47-4	Hexachlorocyclopentadiene	170	U
88-06-2	2,4,6-Trichlorophenol	170	U
95-95-4	2,4,5-Trichlorophenol	170	U
92-52-4	1,1'-Biphenyl	170	U
91-58-7	2-Chloronaphthalene	170	U
88-74-4	2-Nitroaniline	330	U
131-11-3	Dimethylphthalate	170	U
606-20-2	2,6-Dinitrotoluene	170	U
208-96-8	Acenaphthylene	170	U
99-09-2	3-Nitroaniline	330	U
83-32-9	Acenaphthene	170	U

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11/20/08 SOM01.2 (8/2007)

1E - FORM I SV-2
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

JAHFO

Lab Name:	A4 SCIENTIFIC, INC.	Contract:	EPW05036			
Lab Code:	A4	Case No.:	37954	Mod. Ref No.:	SDG No.:	JAHD7
Matrix:	(SOIL/SED/WATER)	SOIL	Lab Sample ID:	0009680-12		
Sample wt/vol:	30.1	(g/mL)	g	Lab File ID:	D8901.D	
Level:	(LOW/MED)	LOW	Extraction: (Type)	SONC		
% Moisture:	1.8	Decanted: (Y/N)	N	Date Received:	10/25/2008	
Concentrated Extract Volume:	500	(uL)	Date Extracted:	10/28/2008		
Injection Volume:	1.0	(uL)	GPC Factor:	2.0	Date Analyzed:	11/01/2008
GPC Cleanup: (Y/N)	Y	pH:	9.5	Dilution Factor:	1.0	

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
51-28-5	2,4-Dinitrophenol	.330	UJK
100-02-7	4-Nitrophenol	330	U
132-64-9	Dibenzofuran	170	U
121-14-2	2,4-Dinitrotoluene	170	U
84-66-2	Diethylphthalate	170	U
86-73-7	Fluorene	170	U
7005-72-3	4-Chlorophenyl-phenylether	170	U
100-01-6	4-Nitroaniline	330	U
534-52-1	4,6-Dinitro-2-methylphenol	330	U
86-30-6	N-Nitrosodiphenylamine (1)	170	U
95-94-3	1,2,4,5-Tetrachlorobenzene	170	U
101-55-3	4-Bromophenyl-phenylether	170	U
118-74-1	Hexachlorobenzene	170	U
1912-24-9	Atrazine	170	U
87-86-5	Pentachlorophenol	330	U
85-01-8	Phenanthrene	170	U
120-12-7	Anthracene	170	U
86-74-8	Carbazole	170	U
84-74-2	Di-n-butylphthalate	170	U
206-44-0	Fluoranthene	170	U
129-00-0	Pyrene	170	U
85-68-7	Butylbenzylphthalate	170	U
91-94-1	3,3'-Dichlorobenzidine	170	U
56-55-3	Benzo (a) anthracene	170	U
218-01-9	Chrysene	170	U
117-81-7	Bis(2-ethylhexyl)phthalate	36	JQ
117-84-0	Di-n-octylphthalate	170	U
205-99-2	Benzo (b) fluoranthene	170	U
207-08-9	Benzo (k) fluoranthene	170	U
50-32-8	Benzo (a) pyrene	170	U
193-39-5	Indeno (1,2,3-cd) pyrene	170	U
53-70-3	Dibenzo (a,h) anthracene	170	U
191-24-2	Benzo (g,h,i) perylene	170	U
58-90-2	2,3,4,6-Tetrachlorophenol	170	U

¹Cannot be separated from Diphenylamine

RJ
11/20/08

1K - FORM I SV-TIC
 SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
 TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

JAHF0

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036
 Lab Code: A4 Case No.: 37954 Mod. Ref No.: SDG No.: JAHD7
 Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0009680-12
 Sample wt/vol: 30.1 (g/mL) g Lab File ID: D8901.D
 Level: (TRACE or LOW/MED) LOW Extraction: (Type) SONC
 % Moisture: 1.8 Decanted: (Y/N) N Date Received: 10/25/2008
 Concentrated Extract Volume: 500 (uL) Date Extracted: 10/28/2008
 Injection Volume: 1.0 (uL) GPC Factor: 2.0 Date Analyzed: 11/01/2008
 GPC Cleanup: (Y/N) Y pH: 9.5 Dilution Factor: 1.0
 CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01	UNKNOWN	1.18	2000	JN
02	UNKNOWN	1.24	2700	J
03	UNKNOWN	1.26	670	J
04	UNKNOWN	1.34	270	J
05	UNKNOWN	1.70	130	J
06	UNKNOWN	1.98	140	J
07	UNKNOWN	2.02	180	J
08	UNKNOWN	2.10	170	J
09	UNKNOWN	2.16	250	J
10	UNKNOWN	2.20	140	J
11	UNKNOWN	2.64	140	J
12	UNKNOWN	2.74	140	J
13	UNKNOWN	2.92	520	J
14	UNKNOWN	3.30	160	J
15	UNKNOWN	3.63	110	J
16	UNKNOWN	16.78	73	J
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				
E966796 ²	Total Alkanes	N/A	620	

²EPA-designated Registry Number.

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 11/20/08

1D - FORM I SV-1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

JAHF1

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036
 Lab Code: A4 Case No.: 37954 Mod. Ref No.: SDG No.: JAHD7
 Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0009680-13
 Sample wt/vol: 30.2 (g/mL) g Lab File ID: D8882.D
 Level: (LOW/MED) LOW Extraction: (Type) SONC
 % Moisture: 2.4 Decanted: (Y/N) N Date Received: 10/25/2008
 Concentrated Extract Volume: 500 (uL) Date Extracted: 10/28/2008
 Injection Volume: 1.0 (uL) GPC Factor: 2.0 Date Analyzed: 10/31/2008
 GPC Cleanup: (Y/N) Y pH: 9.7 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
100-52-7	Benzaldehyde	170	U
108-95-2	Phenol	170	U
111-44-4	Bis(2-chloroethyl)ether	170	U
95-57-8	2-Chlorophenol	170	U
95-48-7	2-Methylphenol	170	U
108-60-1	2,2'-Oxybis(1-chloropropane)	170	U
98-86-2	Acetophenone	170	U
106-44-5	4-Methylphenol	170	U
621-64-7	N-Nitroso-di-n-propylamine	170	U
67-72-1	Hexachloroethane	170	U
98-95-3	Nitrobenzene	170	U
78-59-1	Isophorone	170	U
88-75-5	2-Nitrophenol	170	U
105-67-9	2,4-Dimethylphenol	170	U
111-91-1	Bis(2-chloroethoxy)methane	170	U
120-83-2	2,4-Dichlorophenol	170	U
91-20-3	Naphthalene	170	U
106-47-8	4-Chloroaniline	170	U
87-68-3	Hexachlorobutadiene	170	U
105-60-2	Caprolactam	170	U
59-50-7	4-Chloro-3-methylphenol	170	U
91-57-6	2-Methylnaphthalene	170	U
77-47-4	Hexachlorocyclopentadiene	170	U
88-06-2	2,4,6-Trichlorophenol	170	U
95-95-4	2,4,5-Trichlorophenol	170	U
92-52-4	1,1'-Biphenyl	170	U
91-58-7	2-Chloronaphthalene	170	U
88-74-4	2-Nitroaniline	340	U
131-11-3	Dimethylphthalate	170	U
606-20-2	2,6-Dinitrotoluene	170	U
208-96-8	Acenaphthylene	170	U
99-09-2	3-Nitroaniline	340	U
83-32-9	Acenaphthene	170	U

R
11/20/08

1E - FORM I SV-2
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

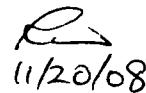
EPA SAMPLE NO.

JAHF1

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036
 Lab Code: A4 Case No.: 37954 Mod. Ref No.: SDG No.: JAHD7
 Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0009680-13
 Sample wt/vol: 30.2 (g/mL) g Lab File ID: D8882.D
 Level: (LOW/MED) LOW Extraction: (Type) SONC
 % Moisture: 2.4 Decanted: (Y/N) N Date Received: 10/25/2008
 Concentrated Extract Volume: 500 (uL) Date Extracted: 10/28/2008
 Injection Volume: 1.0 (uL) GPC Factor: 2.0 Date Analyzed: 10/31/2008
 GPC Cleanup: (Y/N) Y pH: 9.7 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg)	ug/kg	Q
51-28-5	2, 4-Dinitrophenol	340		JK
100-02-7	4-Nitrophenol	340		U
132-64-9	Dibenzofuran	170		U
121-14-2	2, 4-Dinitrotoluene	170		U
84-66-2	Diethylphthalate	170		U
86-73-7	Fluorene	170		U
7005-72-3	4-Chlorophenyl-phenylether	170		U
100-01-6	4-Nitroaniline	340		U
534-52-1	4, 6-Dinitro-2-methylphenol	340		U
86-30-6	N-Nitrosodiphenylamine (1)	170		U
95-94-3	1, 2, 4, 5-Tetrachlorobenzene	170		U
101-55-3	4-Bromophenyl-phenylether	170		U
118-74-1	Hexachlorobenzene	170		U
1912-24-9	Atrazine	170		U
87-86-5	Pentachlorophenol	340		U
85-01-8	Phenanthren	170		U
120-12-7	Anthracene	170		U
86-74-8	Carbazole	170		U
84-74-2	Di-n-butylphthalate	170		U
206-44-0	Fluoranthene	170		U
129-00-0	Pyrene	170		U
85-68-7	Butylbenzylphthalate	170		U
91-94-1	3, 3'-Dichlorobenzidine	170		U
56-55-3	Benzo (a) anthracene	170		U
218-01-9	Chrysene	170		U
117-81-7	Bis(2-ethylhexyl)phthalate	170		U
117-84-0	Di-n-octylphthalate	170		U
205-99-2	Benzo (b) fluoranthene	170		U
207-08-9	Benzo (k) fluoranthene	170		U
50-32-8	Benzo (a) pyrene	170		U
193-39-5	Indeno (1, 2, 3-cd) pyrene	170		U
53-70-3	Dibenzo (a,h) anthracene	170		U
191-24-2	Benzo (g,h,i) perylene	170		U
58-90-2	2, 3, 4, 6-Tetrachlorophenol	170		U

¹Cannot be separated from Diphenylamine


11/20/08

SCM01.2 (8/2007)

000000757

1K - FORM I SV-TIC
 SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
 TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

JAHF1

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036
 Lab Code: A4 Case No.: 37954 Mod. Ref No.: SDG No.: JAHD7
 Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0009680-13
 Sample wt/vol: 30.2 (g/mL) g Lab File ID: D8882.D
 Level: (TRACE or LOW/MED) LOW Extraction: (Type) SONC
 % Moisture: 2.4 Decanted: (Y/N) N Date Received: 10/25/2008
 Concentrated Extract Volume: 500 (uL) Date Extracted: 10/28/2008
 Injection Volume: 1.0 (uL) GPC Factor: 2.0 Date Analyzed: 10/31/2008
 GPC Cleanup: (Y/N) Y pH: 9.7 Dilution Factor: 1.0
 CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01	UNKNOWN	1.18	1700	JN
02	UNKNOWN	1.24	2200	J
03	UNKNOWN	1.26	1000	J
04	UNKNOWN	1.34	280	J
05	UNKNOWN	1.70	130	J
06	UNKNOWN	1.98	80	J
07	UNKNOWN	2.02	180	J
08	UNKNOWN	2.10	180	J
09	UNKNOWN	2.16	240	J
10	UNKNOWN	2.19	100	J
11	UNKNOWN	2.64	140	J
12	UNKNOWN	2.74	140	J
13	197390-29-7 Cyclopentene, 1,2,3,3,4-pen...	2.93	540	JN
14	013151-05-8 1-Heptene, 4-methyl-	3.02	150	JN
15	UNKNOWN	3.06	73	JN
16	UNKNOWN	3.30	180	J
17	UNKNOWN	3.63	99	J
18	007683-64-9 Squalene	13.26	110	JN
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				
	E966796 ² Total Alkanes	N/A	380	

²EPA-designated Registry Number.

SOM01.2 (8/2007)

000000759

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11/20/08

1D - FORM I SV-1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

JAHF2

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036
 Lab Code: A4 Case No.: 37954 Mod. Ref No.: SDG No.: JAHD7
 Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0009680-14
 Sample wt/vol: 30.1 (g/mL) g Lab File ID: D8905.D
 Level: (LOW/MED) LOW Extraction: (Type) SONC
 % Moisture: 1.5 Decanted: (Y/N) N Date Received: 10/25/2008
 Concentrated Extract Volume: 500 (uL) Date Extracted: 10/28/2008
 Injection Volume: 1.0 (uL) GPC Factor: 2.0 Date Analyzed: 11/04/2008
 GPC Cleanup: (Y/N) Y pH: 8.9 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
100-52-7	Benzaldehyde	170	U
108-95-2	Phenol	170	U
111-44-4	Bis(2-chloroethyl)ether	170	U
95-57-8	2-Chlorophenol	170	U
95-48-7	2-Methylphenol	170	U
108-60-1	2,2'-Oxybis(1-chloropropane)	170	U
98-86-2	Acetophenone	170	U
106-44-5	4-Methylphenol	170	U
621-64-7	N-Nitroso-di-n-propylamine	170	U
67-72-1	Hexachloroethane	170	U
98-95-3	Nitrobenzene	170	U
78-59-1	Isophorone	170	U
88-75-5	2-Nitrophenol	170	U
105-67-9	2,4-Dimethylphenol	170	U
111-91-1	Bis(2-chloroethoxy)methane	170	U
120-83-2	2,4-Dichlorophenol	170	U
91-20-3	Naphthalene	170	U
106-47-8	4-Chloroaniline	170	U
87-68-3	Hexachlorobutadiene	170	U
105-60-2	Caprolactam	170	U
59-50-7	4-Chloro-3-methylphenol	170	U
91-57-6	2-Methylnaphthalene	170	U
77-47-4	Hexachlorocyclopentadiene	170	U
88-06-2	2,4,6-Trichlorophenol	170	U
95-95-4	2,4,5-Trichlorophenol	170	U
92-52-4	1,1'-Biphenyl	170	U
91-58-7	2-Chloronaphthalene	170	U
88-74-4	2-Nitroaniline	330	U
131-11-3	Dimethylphthalate	170	U
606-20-2	2,6-Dinitrotoluene	170	U
208-96-8	Acenaphthylene	170	U
99-09-2	3-Nitroaniline	330	U
83-32-9	Acenaphthene	170	U

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11/20/08

1E - FORM I SV-2
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

JAHF2

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036
 Lab Code: A4 Case No.: 37954 Mod. Ref No.: SDG No.: JAHD7
 Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0009680-14
 Sample wt/vol: 30.1 (g/mL) g Lab File ID: D8905.D
 Level: (LOW/MED) LOW Extraction: (Type) SONC
 % Moisture: 1.5 Decanted: (Y/N) N Date Received: 10/25/2008
 Concentrated Extract Volume: 500 (uL) Date Extracted: 10/28/2008
 Injection Volume: 1.0 (uL) GPC Factor: 2.0 Date Analyzed: 11/04/2008
 GPC Cleanup: (Y/N) Y pH: 8.9 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
51-28-5	2,4-Dinitrophenol	330	UJK
100-02-7	4-Nitrophenol	330	U
132-64-9	Dibenzofuran	170	U
121-14-2	2,4-Dinitrotoluene	170	U
84-66-2	Diethylphthalate	170	U
86-73-7	Fluorene	170	U
7005-72-3	4-Chlorophenyl-phenylether	170	U
100-01-6	4-Nitroaniline	330	U
534-52-1	4,6-Dinitro-2-methylphenol	330	U
86-30-6	N-Nitrosodiphenylamine (1)	170	U
95-94-3	1,2,4,5-Tetrachlorobenzene	170	U
101-55-3	4-Bromophenyl-phenylether	170	U
118-74-1	Hexachlorobenzene	170	U
1912-24-9	Atrazine	170	U
87-86-5	Pentachlorophenol	330	U
85-01-8	Phenanthrrene	170	U
120-12-7	Anthracene	170	U
86-74-8	Carbazole	170	U
84-74-2	Di-n-butylphthalate	170	U
206-44-0	Fluoranthene	170	U
129-00-0	Pyrene	170	U
85-68-7	Butylbenzylphthalate	170	U
91-94-1	3,3'-Dichlorobenzidine	170	U
56-55-3	Benzo (a) anthracene	170	U
218-01-9	Chrysene	170	U
117-81-7	Bis(2-ethylhexyl)phthalate	170	U
117-84-0	Di-n-octylphthalate	170	U
205-99-2	Benzo (b) fluoranthene	170	U
207-08-9	Benzo (k) fluoranthene	170	U
50-32-8	Benzo (a) pyrene	170	U
193-39-5	Indeno (1,2,3-cd) pyrene	170	U
53-70-3	Dibenzo (a,h) anthracene	170	U
191-24-2	Benzo (g,h,i) perylene	170	U
58-90-2	2,3,4,6-Tetrachlorophenol	170	U

¹Cannot be separated from Diphenylamine


11/20/08

1K - FORM I SV-TIC
 SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
 TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

JAHF2

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036
 Lab Code: A4 Case No.: 37954 Mod. Ref No.: SDG No.: JAHD7
 Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0009680-14
 Sample wt/vol: 30.1 (g/mL) g Lab File ID: D8905.D
 Level: (TRACE or LOW/MED) LOW Extraction: (Type) SONC
 % Moisture: 1.5 Decanted: (Y/N) N Date Received: 10/25/2008
 Concentrated Extract Volume: 500 (uL) Date Extracted: 10/28/2008
 Injection Volume: 1.0 (uL) GPC Factor: 2.0 Date Analyzed: 11/04/2008
 GPC Cleanup: (Y/N) Y pH: 8.9 Dilution Factor: 1.0
 CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01	UNKNOWN	1.18	1400	JN
02	UNKNOWN	1.24	2100	J
03	UNKNOWN	1.26	820	J
04	UNKNOWN	1.34	210	J
05	UNKNOWN	1.70	100	J
06	000544-25-2 1,3,5-Cycloheptatriene	1.80	130	JN
07	UNKNOWN	1.98	91	JN
08	UNKNOWN	2.03	140	J
09	UNKNOWN	2.10	150	J
10	UNKNOWN	2.16	260	J
11	UNKNOWN	2.20	120	J
12	UNKNOWN	2.64	110	J
13	UNKNOWN	2.74	130	J
14	197390-29-7 Cyclopentene, 1,2,3,3,4-pen... (02)	2.93	440	JN
15	UNKNOWN	3.17	300	JN
16	UNKNOWN	3.30	130	J
17	UNKNOWN	3.63	76	J
18	000083-46-5 .beta.-Sitosterol	16.30	220	JN
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				
	E966796 ² Total Alkanes	N/A	610	

²EPA-designated Registry Number.

[Signature]
 11/20/08

1D - FORM I SV-1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

JAHF3

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036
 Lab Code: A4 Case No.: 37954 Mod. Ref No.: SDG No.: JAHD7
 Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0009680-15
 Sample wt/vol: 30.8 (g/mL) g Lab File ID: D8907.D
 Level: (LOW/MED) LOW Extraction: (Type) SONC
 % Moisture: 1.4 Decanted: (Y/N) N Date Received: 10/25/2008
 Concentrated Extract Volume: 500 (uL) Date Extracted: 10/28/2008
 Injection Volume: 1.0 (uL) GPC Factor: 2.0 Date Analyzed: 11/04/2008
 GPC Cleanup: (Y/N) Y pH: 9.4 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg)	ug/kg	Q
100-52-7	Benzaldehyde	170		U
108-95-2	Phenol	170		U
111-44-4	Bis(2-chloroethyl)ether	170		U
95-57-8	2-Chlorophenol	170		U
95-48-7	2-Methylphenol	170		U
108-60-1	2,2'-Oxybis(1-chloropropane)	170		U
98-86-2	Acetophenone	170		U
106-44-5	4-Methylphenol	170		U
621-64-7	N-Nitroso-di-n-propylamine	170		U
67-72-1	Hexachloroethane	170		U
98-95-3	Nitrobenzene	170		U
78-59-1	Isophorone	170		U
88-75-5	2-Nitrophenol	170		U
105-67-9	2,4-Dimethylphenol	170		U
111-91-1	Bis(2-chloroethoxy)methane	170		U
120-83-2	2,4-Dichlorophenol	170		U
91-20-3	Naphthalene	170		U
106-47-8	4-Chloroaniline	170		U
87-68-3	Hexachlorobutadiene	170		U
105-60-2	Caprolactam	170		U
59-50-7	4-Chloro-3-methylphenol	170		U
91-57-6	2-Methylnaphthalene	170		U
77-47-4	Hexachlorocyclopentadiene	170		U
88-06-2	2,4,6-Trichlorophenol	170		U
95-95-4	2,4,5-Trichlorophenol	170		U
92-52-4	1,1'-Biphenyl	170		U
91-58-7	2-Chloronaphthalene	170		U
88-74-4	2-Nitroaniline	330		U
131-11-3	Dimethylphthalate	170		U
606-20-2	2,6-Dinitrotoluene	170		U
208-96-8	Acenaphthylene	170		U
99-09-2	3-Nitroaniline	330		U
83-32-9	Acenaphthene	170		U

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11/20/08

SOM01.2 (3/2007)

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1E - FORM I SV-2
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

JAHF3

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036
 Lab Code: A4 Case No.: 37954 Mod. Ref No.: SDG No.: JAHD7
 Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0009680-15
 Sample wt/vol: 30.8 (g/mL) g Lab File ID: D8907.D
 Level: (LOW/MED) LOW Extraction: (Type) SONC
 % Moisture: 1.4 Decanted: (Y/N) N Date Received: 10/25/2008
 Concentrated Extract Volume: 500 (uL) Date Extracted: 10/28/2008
 Injection Volume: 1.0 (uL) GPC Factor: 2.0 Date Analyzed: 11/04/2008
 GPC Cleanup: (Y/N) Y pH: 9.4 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
51-28-5	2, 4-Dinitrophenol	330	JK
100-02-7	4-Nitrophenol	330	U
132-64-9	Dibenzofuran	170	U
121-14-2	2, 4-Dinitrotoluene	170	U
84-66-2	Diethylphthalate	170	U
86-73-7	Fluorene	170	U
7005-72-3	4-Chlorophenyl-phenylether	170	U
100-01-6	4-Nitroaniline	330	U
534-52-1	4, 6-Dinitro-2-methylphenol	330	U
86-30-6	N-Nitrosodiphenylamine (1)	170	U
95-94-3	1, 2, 4, 5-Tetrachlorobenzene	170	U
101-55-3	4-Bromophenyl-phenylether	170	U
118-74-1	Hexachlorobenzene	170	U
1912-24-9	Atrazine	170	U
87-86-5	Pentachlorophenol	330	U
85-01-8	Phenanthrene	170	U
120-12-7	Anthracene	170	U
86-74-8	Carbazole	170	U
84-74-2	Di-n-butylphthalate	170	U
206-44-0	Fluoranthene	170	U
129-00-0	Pyrene	170	U
85-68-7	Butylbenzylphthalate	170	U
91-94-1	3, 3'-Dichlorobenzidine	170	U
56-55-3	Benzo (a) anthracene	170	U
218-01-9	Chrysene	170	U
117-81-7	Bis(2-ethylhexyl)phthalate	24	Q
117-84-0	Di-n-octylphthalate	170	U
205-99-2	Benzo (b) fluoranthene	170	U
207-08-9	Benzo (k) fluoranthene	170	U
50-32-8	Benzo (a) pyrene	170	U
193-39-5	Indeno (1, 2, 3-cd) pyrene	170	U
53-70-3	Dibenzo (a, h) anthracene	170	U
191-24-2	Benzo (g, h, i) perylene	170	U
58-90-2	2, 3, 4, 6-Tetrachlorophenol	170	U

¹ Cannot be separated from Diphenylamine

R
11/20/08

1K - FORM I SV-TIC
 SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
 TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

JAHF3

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036
 Lab Code: A4 Case No.: 37954 Mod. Ref No.: SDG No.: JAHD7
 Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0009680-15
 Sample wt/vol: 30.8 (g/mL) g Lab File ID: D8907.D
 Level: (TRACE or LOW/MED) LOW Extraction: (Type) SONC
 % Moisture: 1.4 Decanted: (Y/N) N Date Received: 10/25/2008
 Concentrated Extract Volume: 500 (uL) Date Extracted: 10/28/2008
 Injection Volume: 1.0 (uL) GPC Factor: 2.0 Date Analyzed: 11/04/2008
 GPC Cleanup: (Y/N) Y pH: 9.4 Dilution Factor: 1.0
 CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01	UNKNOWN	1.18	1600	JN
02	UNKNOWN	1.24	2100	J
03	UNKNOWN	1.26	1100	J
04	UNKNOWN	1.34	260	J
05	UNKNOWN	2.02	170	J
06	UNKNOWN	2.10	180	J
07	UNKNOWN	2.16	230	J
08	UNKNOWN	2.20	78	J
09	UNKNOWN	2.64	140	J
10	UNKNOWN	2.74	150	J
11	197390-29-7 Cyclopentene, 1,2,3,3,4-pen... (O2)	2.93	510	JN
12	UNKNOWN	3.06	73	JN
13	UNKNOWN	3.30	160	J
14	UNKNOWN	3.63	85	J
15	UNKNOWN	13.26	120	J
16	UNKNOWN	17.17	180	J
17	UNKNOWN	17.32	180	J
18	UNKNOWN	17.64	320	J
19	UNKNOWN	18.06	120	J
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				
E966796 ²	Total Alkanes	N/A	710	

²EPA-designated Registry Number.

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11/20/08

1D - FORM I SV-1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

JAHF4

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036
 Lab Code: A4 Case No.: 37954 Mod. Ref No.: SDG No.: JAHD7
 Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0009680-16
 Sample wt/vol: 30.2 (g/mL) g Lab File ID: D8897.D
 Level: (LOW/MED) LOW Extraction: (Type) SONC
 % Moisture: 2.1 Decanted: (Y/N) N Date Received: 10/25/2008
 Concentrated Extract Volume: 500 (uL) Date Extracted: 10/28/2008
 Injection Volume: 1.0 (uL) GPC Factor: 2.0 Date Analyzed: 11/01/2008
 GPC Cleanup: (Y/N) Y pH: 9.3 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg)	ug/kg	Q
100-52-7	Benzaldehyde	170	U	
108-95-2	Phenol	170	U	
111-44-4	Bis(2-chloroethyl)ether	170	U	
95-57-8	2-Chlorophenol	170	U	
95-48-7	2-Methylphenol	170	U	
108-60-1	2,2'-Oxybis(1-chloropropane)	170	U	
98-86-2	Acetophenone	170	U	
106-44-5	4-Methylphenol	170	U	
621-64-7	N-Nitroso-di-n-propylamine	170	U	
67-72-1	Hexachloroethane	170	U	
98-95-3	Nitrobenzene	170	U	
78-59-1	Isophorone	170	U	
88-75-5	2-Nitrophenol	170	U	
105-67-9	2,4-Dimethylphenol	170	U	
111-91-1	Bis(2-chloroethoxy)methane	170	U	
120-83-2	2,4-Dichlorophenol	170	U	
91-20-3	Naphthalene	170	U	
106-47-8	4-Chloroaniline	170	U	
87-68-3	Hexachlorobutadiene	170	U	
105-60-2	Caprolactam	170	U	
59-50-7	4-Chloro-3-methylphenol	170	U	
91-57-6	2-Methylnaphthalene	170	U	
77-47-4	Hexachlorocyclopentadiene	170	U	
88-06-2	2,4,6-Trichlorophenol	170	U	
95-95-4	2,4,5-Trichlorophenol	170	U	
92-52-4	1,1'-Biphenyl	170	U	
91-58-7	2-Chloronaphthalene	170	U	
88-74-4	2-Nitroaniline	330	U	
131-11-3	Dimethylphthalate	170	U	
606-20-2	2,6-Dinitrotoluene	170	U	
208-96-8	Acenaphthylene	170	U	
99-09-2	3-Nitroaniline	330	U	
83-32-9	Acenaphthene	170	U	

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11/20/08

1E - FORM I SV-2
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

JAHF4

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036
 Lab Code: A4 Case No.: 37954 Mod. Ref No.: SDG No.: JAHD7
 Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0009680-16
 Sample wt/vol: 30.2 (g/mL) g Lab File ID: D8897.D
 Level: (LOW/MED) LOW Extraction: (Type) SONC
 % Moisture: 2.1 Decanted: (Y/N) N Date Received: 10/25/2008
 Concentrated Extract Volume: 500 (uL) Date Extracted: 10/28/2008
 Injection Volume: 1.0 (uL) GPC Factor: 2.0 Date Analyzed: 11/01/2008
 GPC Cleanup: (Y/N) Y pH: 9.3 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
51-28-5	2,4-Dinitrophenol	330	UJK
100-02-7	4-Nitrophenol	330	U
132-64-9	Dibenzofuran	170	U
121-14-2	2,4-Dinitrotoluene	170	U
84-66-2	Diethylphthalate	170	U
86-73-7	Fluorene	170	U
7005-72-3	4-Chlorophenyl-phenylether	170	U
100-01-6	4-Nitroaniline	330	U
534-52-1	4,6-Dinitro-2-methylphenol	330	U
86-30-6	N-Nitrosodiphenylamine (1)	170	U
95-94-3	1,2,4,5-Tetrachlorobenzene	170	U
101-55-3	4-Bromophenyl-phenylether	170	U
118-74-1	Hexachlorobenzene	170	U
1912-24-9	Atrazine	170	U
87-86-5	Pentachlorophenol	330	U
85-01-8	Phenanthrene	170	U
120-12-7	Anthracene	170	U
86-74-8	Carbazole	170	U
84-74-2	Di-n-butylphthalate	170	U
206-44-0	Fluoranthene	170	U
129-00-0	Pyrene	170	U
85-68-7	Butylbenzylphthalate	170	U
91-94-1	3,3'-Dichlorobenzidine	170	U
56-55-3	Benzo (a) anthracene	170	U
218-01-9	Chrysene	170	U
117-81-7	Bis(2-ethylhexyl)phthalate	37	JQ
117-84-0	Di-n-octylphthalate	170	U
205-99-2	Benzo (b) fluoranthene	170	U
207-08-9	Benzo (k) fluoranthene	170	U
50-32-8	Benzo (a) pyrene	170	U
193-39-5	Indeno (1,2,3-cd) pyrene	170	U
53-70-3	Dibenzo (a,h) anthracene	170	U
191-24-2	Benzo (g,h,i) perylene	170	U
58-90-2	2,3,4,6-Tetrachlorophenol	170	U

¹Cannot be separated from Diphenylamine

R
11/20/08

1K - FORM I SV-TIC
 SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
 TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

JAHF4

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036
 Lab Code: A4 Case No.: 37954 Mod. Ref No.: SDG No.: JAHD7
 Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0009680-16
 Sample wt/vol: 30.2 (g/mL) g Lab File ID: D8897.D
 Level: (TRACE or LOW/MED) LOW Extraction: (Type) SONC
 % Moisture: 2.1 Decanted: (Y/N) N Date Received: 10/25/2008
 Concentrated Extract Volume: 500 (uL) Date Extracted: 10/28/2008
 Injection Volume: 1.0 (uL) GPC Factor: 2.0 Date Analyzed: 11/01/2008
 GPC Cleanup: (Y/N) Y pH: 9.3 Dilution Factor: 1.0
 CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01	UNKNOWN	1.18	2500	JN
02	UNKNOWN	1.24	3100	J
03	UNKNOWN	1.35	290	J
04	UNKNOWN	2.03	190	J
05	UNKNOWN	2.10	130	J
06	UNKNOWN	2.16	310	J
07	UNKNOWN	2.64	150	J
08	UNKNOWN	2.74	150	J
09	UNKNOWN	2.92	570	J
10	UNKNOWN	3.02	170	J
11	UNKNOWN	3.06	89	J
12	UNKNOWN	3.17	400	J
13	UNKNOWN	3.30	210	J
14	UNKNOWN	3.63	110	J
15	004602-84-0 2,6,10-Dodecatrien-1-ol, 3,...	13.26	150	JN
16	UNKNOWN	16.34	74	JN
17	UNKNOWN	17.32	90	J
18	UNKNOWN	17.54	81	J
19	UNKNOWN	17.64	130	J
20	UNKNOWN	18.06	81	J
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				
	E966796 ² Total Alkanes	N/A	92	

²EPA-designated Registry Number.

R
11/20/08

1G - FORM I PEST
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

JAHD7

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036
 Lab Code: A4 Case No.: 37954 Mod. Ref No.: SDG No.: JAHD7
 Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0009680-01
 Sample wt/vol: 30.2 (g/mL) g Lab File ID: C30340.D
 % Moisture: 7.1 Decanted: (Y/N) N Date Received: 10/25/2008
 Extraction: (Type) SONC Date Extracted: 10/28/2008
 Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/31/2008
 Injection Volume: 1.0 (uL) GPC Factor: 2.0 Dilution Factor: 1.0
 GPC Cleanup: (Y/N) Y pH: 9.6 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
319-84-6	alpha-BHC	1.8	U
319-85-7	beta-BHC	1.8	U
319-86-8	delta-BHC	1.8	U
58-89-9	gamma-BHC (Lindane)	1.8	U
76-44-8	Heptachlor	1.8	U
309-00-2	Aldrin	1.8	U
1024-57-3	Heptachlor epoxide	1.8	U
959-98-8	Endosulfan I	1.8	U
60-57-1	Dieldrin	3.5	U
72-55-9	4,4'-DDE	3.5	U
72-20-8	Endrin	3.5	U
33213-65-9	Endosulfan II	3.5	U
72-54-8	4,4'-DDD	3.5	U
1031-07-8	Endosulfan sulfate	3.5	U
50-29-3	4,4'-DDT	3.5	U
72-43-5	Methoxychlor	18	U
53494-70-5	Endrin ketone	3.5	U
7421-93-4	Endrin aldehyde	3.5	U
5103-71-9	alpha-Chlordane	1.8	U
5103-74-2	gamma-Chlordane	1.8	U
8001-35-2	Toxaphene	180	U

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11/20/08

1G - FORM I PEST
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

JAHD8

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036
 Lab Code: A4 Case No.: 37954 Mod. Ref No.: SDG No.: JAHD7
 Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0009680-02
 Sample wt/vol: 30.1 (g/mL) g Lab File ID: C30341.D
 % Moisture: 24.9 Decanted: (Y/N) N Date Received: 10/25/2008
 Extraction: (Type) SONC Date Extracted: 10/28/2008
 Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/31/2008
 Injection Volume: 1.0 (uL) GPC Factor: 2.0 Dilution Factor: 1.0
 GPC Cleanup: (Y/N) Y pH: 8.3 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
319-84-6	alpha-BHC	2.3	U
319-85-7	beta-BHC	2.3	U
319-86-8	delta-BHC	2.3	U
58-89-9	gamma-BHC (Lindane)	2.3	U
76-44-8	Heptachlor	2.3	U
309-00-2	Aldrin	2.3	U
1024-57-3	Heptachlor epoxide	2.3	U
959-98-8	Endosulfan I	2.3	U
60-57-1	Dieldrin	4.4	U
72-55-9	4,4'-DDE	4.4	U
72-20-8	Endrin	4.4	U
33213-65-9	Endosulfan II	4.4	U
72-54-8	4,4'-DDD	4.4	U
1031-07-8	Endosulfan sulfate	4.4	U
50-29-3	4,4'-DDT	4.4	U
72-43-5	Methoxychlor	23	U
53494-70-5	Endrin ketone	4.4	U
7421-93-4	Endrin aldehyde	4.4	U
5103-71-9	alpha-Chlordane	2.3	U
5103-74-2	gamma-Chlordane	2.3	U
8001-35-2	Toxaphene	230	U

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11/26/08

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EPA SAMPLE NO.

JAHD9

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036
 Lab Code: A4 Case No.: 37954 Mod. Ref No.: SDG No.: JAHD7
 Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0009680-03
 Sample wt/vol: 30.4 (g/mL) g Lab File ID: C30342.D
 % Moisture: 18.2 Decanted: (Y/N) N Date Received: 10/25/2008
 Extraction: (Type) SONC Date Extracted: 10/28/2008
 Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/31/2008
 Injection Volume: 1.0 (uL) GPC Factor: 2.0 Dilution Factor: 1.0
 GPC Cleanup: (Y/N) Y pH: 8.2 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
319-84-6	alpha-BHC	2.1	U
319-85-7	beta-BHC	2.1	U
319-86-8	delta-BHC	2.1	U
58-89-9	gamma-BHC (Lindane)	2.1	U
76-44-8	Heptachlor	2.1	U
309-00-2	Aldrin	2.1	U
1024-57-3	Heptachlor epoxide	2.1	U
959-98-8	Endosulfan I	2.1	U
60-57-1	Dieldrin	4.0	U
72-55-9	4,4'-DDE	4.0	U
72-20-8	Endrin	4.0	U
33213-65-9	Endosulfan II	4.0	U
72-54-8	4,4'-DDD	4.0	U
1031-07-8	Endosulfan sulfate	4.0	U
50-29-3	4,4'-DDT	4.0	U
72-43-5	Methoxychlor	21	U
53494-70-5	Endrin ketone	4.0	U
7421-93-4	Endrin aldehyde	4.0	U
5103-71-9	alpha-Chlordane	2.1	U
5103-74-2	gamma-Chlordane	2.1	U
8001-35-2	Toxaphene	210	U

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11/20/08

1G - FORM I PEST
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

JAHEO

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036
 Lab Code: A4 Case No.: 37954 Mod. Ref No.: SDG No.: JAH07
 Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0009680-04
 Sample wt/vol: 30.0 (g/mL) g Lab File ID: C30343.D
 % Moisture: 48.7 Decanted: (Y/N) N Date Received: 10/25/2008
 Extraction: (Type) SONC Date Extracted: 10/28/2008
 Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/31/2008
 Injection Volume: 1.0 (uL) GPC Factor: 2.0 Dilution Factor: 1.0
 GPC Cleanup: (Y/N) Y pH: 7.1 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
319-84-6	alpha-BHC	3.3	U
319-85-7	beta-BHC	3.3	U
319-86-8	delta-BHC	3.3	U
58-89-9	gamma-BHC (Lindane)	3.3	U
76-44-8	Heptachlor	3.3	U
309-00-2	Aldrin	3.3	U
1024-57-3	Heptachlor epoxide	3.3	U
959-98-8	Endosulfan I	3.3	U
60-57-1	Dieldrin	6.4	U
72-55-9	4,4'-DDE	6.4	U
72-20-8	Endrin	6.4	U
33213-65-9	Endosulfan II	6.4	U
72-54-8	4,4'-DDD	6.4	U
1031-07-8	Endosulfan sulfate	6.4	U
50-29-3	4,4'-DDT	6.4	U
72-43-5	Methoxychlor	33	U
53494-70-5	Endrin ketone	6.4	U
7421-93-4	Endrin aldehyde	6.4	U
5103-71-9	alpha-Chlordane	3.3	U
5103-74-2	gamma-Chlordane	3.3	U
8001-35-2	Toxaphene	330	U

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11/20/08

1G - FORM I PEST
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

JAHE1

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036
 Lab Code: A4 Case No.: 37954 Mod. Ref No.: SDG No.: JAHD7
 Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0009680-05
 Sample wt/vol: 30.0 (g/mL) g Lab File ID: C30344.D
 % Moisture: 39.1 Decanted: (Y/N) N Date Received: 10/25/2008
 Extraction: (Type) SONC Date Extracted: 10/28/2008
 Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/31/2008
 Injection Volume: 1.0 (uL) GPC Factor: 2.0 Dilution Factor: 1.0
 GPC Cleanup: (Y/N) Y pH: 7.3 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
319-84-6	alpha-BHC	2.8	U
319-85-7	beta-BHC	2.8	U
319-86-8	delta-BHC	2.8	U
58-89-9	gamma-BHC (Lindane)	2.8	U
76-44-8	Heptachlor	2.8	U
309-00-2	Aldrin	2.8	U
1024-57-3	Heptachlor epoxide	2.8	U
959-98-8	Endosulfan I	2.8	U
60-57-1	Dieldrin	5.4	U
72-55-9	4,4'-DDE	5.4	U
72-20-8	Endrin	5.4	U
33213-65-9	Endosulfan II	5.4	U
72-54-8	4,4'-DDD	5.4	U
1031-07-8	Endosulfan sulfate	5.4	U
50-29-3	4,4'-DDT	5.4	U
72-43-5	Methoxychlor	28	U
53494-70-5	Endrin ketone	5.4	U
7421-93-4	Endrin aldehyde	5.4	U
5103-71-9	alpha-Chlordane	2.8	U
5103-74-2	gamma-Chlordane	2.8	U
8001-35-2	Toxaphene	280	U

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11/20/08

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EPA SAMPLE NO.

JAHE4

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036
 Lab Code: A4 Case No.: 37954 Mod. Ref No.: SDG No.: JAHD7
 Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0009680-06
 Sample wt/vol: 30.1 (g/mL) g Lab File ID: C30345.D
 % Moisture: 8.3 Decanted: (Y/N) N Date Received: 10/25/2008
 Extraction: (Type) SONC Date Extracted: 10/28/2008
 Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/31/2008
 Injection Volume: 1.0 (uL) GPC Factor: 2.0 Dilution Factor: 1.0
 GPC Cleanup: (Y/N) Y pH: 9.2 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
319-84-6	alpha-BHC	1.8	U
319-85-7	beta-BHC	1.8	U
319-86-8	delta-BHC	1.8	U
58-89-9	gamma-BHC (Lindane)	1.8	U
76-44-8	Heptachlor	1.8	U
309-00-2	Aldrin	1.8	U
1024-57-3	Heptachlor epoxide	1.8	U
959-98-8	Endosulfan I	1.8	U
60-57-1	Dieldrin	3.6	U
72-55-9	4, 4'-DDE	3.6	U
72-20-8	Endrin	3.6	U
33213-65-9	Endosulfan II	3.6	U
72-54-8	4, 4'-DDD	3.6	U
1031-07-8	Endosulfan sulfate	3.6	U
50-29-3	4, 4'-DDT	3.6	U
72-43-5	Methoxychlor	18	U
53494-70-5	Endrin ketone	3.6	U
7421-93-4	Endrin aldehyde	3.6	U
5103-71-9	alpha-Chlordane	1.8	U
5103-74-2	gamma-Chlordane	1.8	U
8001-35-2	Toxaphene	180	U

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11/20/08

1G - FORM I PEST
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

JAHE5

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036
 Lab Code: A4 Case No.: 37954 Mod. Ref No.: SDG No.: JAHD7
 Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0009680-07
 Sample wt/vol: 30.7 (g/mL) g Lab File ID: C30352.D
 % Moisture: 1.8 Decanted: (Y/N) N Date Received: 10/25/2008
 Extraction: (Type) SONC Date Extracted: 10/28/2008
 Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/31/2008
 Injection Volume: 1.0 (uL) GPC Factor: 2.0 Dilution Factor: 1.0
 GPC Cleanup: (Y/N) Y pH: 8.1 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
319-84-6	alpha-BHC	1.7	U
319-85-7	beta-BHC	1.7	U
319-86-8	delta-BHC	1.7	U
58-89-9	gamma-BHC (Lindane)	1.7	U
76-44-8	Heptachlor	1.7	U
309-00-2	Aldrin	1.7	U
1024-57-3	Heptachlor epoxide	1.7	U
959-98-8	Endosulfan I	1.7	U
60-57-1	Dieldrin	3.3	U
72-55-9	4,4'-DDE	3.3	U
72-20-8	Endrin	3.3	U
33213-65-9	Endosulfan II	3.3	U
72-54-8	4,4'-DDD	3.3	U
1031-07-8	Endosulfan sulfate	3.3	U
50-29-3	4,4'-DDT	3.3	U
72-43-5	Methoxychlor	17	U
53494-70-5	Endrin ketone	3.3	U
7421-93-4	Endrin aldehyde	3.3	U
5103-71-9	alpha-Chlordane	1.7	U
5103-74-2	gamma-Chlordane	1.7	U
8001-35-2	Toxaphene	170	U

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11/20/08

1G - FORM I PEST
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EPA SAMPLE NO.

JAHE6

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036
 Lab Code: A4 Case No.: 37954 Mod. Ref No.: SDG No.: JAH07
 Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0009680-08
 Sample wt/vol: 30.6 (g/mL) g Lab File ID: C30356.D
 % Moisture: 1.5 Decanted: (Y/N) N Date Received: 10/25/2008
 Extraction: (Type) SONC Date Extracted: 10/28/2008
 Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/31/2008
 Injection Volume: 1.0 (uL) GPC Factor: 2.0 Dilution Factor: 1.0
 GPC Cleanup: (Y/N) Y pH: 9.4 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
319-84-6	alpha-BHC	1.7	U
319-85-7	beta-BHC	1.7	U
319-86-8	delta-BHC	1.7	U
58-89-9	gamma-BHC (Lindane)	1.7	U
76-44-8	Heptachlor	1.7	U
309-00-2	Aldrin	1.7	U
1024-57-3	Heptachlor epoxide	1.7	U
959-98-8	Endosulfan I	1.7	U
60-57-1	Dieldrin	3.3	U
72-55-9	4,4'-DDE	3.3	U
72-20-8	Endrin	3.3	U
33213-65-9	Endosulfan II	3.3	U
72-54-8	4,4'-DDD	3.3	U
1031-07-8	Endosulfan sulfate	3.3	U
50-29-3	4,4'-DDT	3.3	U
72-43-5	Methoxychlor	17	U
53494-70-5	Endrin ketone	3.3	U
7421-93-4	Endrin aldehyde	3.3	U
5103-71-9	alpha-Chlordane	1.7	U
5103-74-2	gamma-Chlordane	1.7	U
8001-35-2	Toxaphene	170	U

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11/20/08

1G - FORM I PEST
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

JAHE7

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036
 Lab Code: A4 Case No.: 37954 Mod. Ref No.: SDG No.: JAHD7
 Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0009680-09
 Sample wt/vol: 30.4 (g/mL) g Lab File ID: C30373.D
 % Moisture: 2.3 Decanted: (Y/N) N Date Received: 10/25/2008
 Extraction: (Type) SONC Date Extracted: 10/28/2008
 Concentrated Extract Volume: 5000 (uL) Date Analyzed: 11/03/2008
 Injection Volume: 1.0 (uL) GPC Factor: 2.0 Dilution Factor: 1.0
 GPC Cleanup: (Y/N) Y pH: 9.4 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
319-84-6	alpha-BHC	1.7	U
319-85-7	beta-BHC	1.7	U
319-86-8	delta-BHC	1.7	U
58-89-9	gamma-BHC (Lindane)	1.7	U
76-44-8	Heptachlor	1.7	U
309-00-2	Aldrin	1.7	U
1024-57-3	Heptachlor epoxide	1.7	U
959-98-8	Endosulfan I	1.7	U
60-57-1	Dieldrin	3.3	U
72-55-9	4,4'-DDE	3.3	U
72-20-8	Endrin	3.3	U
33213-65-9	Endosulfan II	3.3	U
72-54-8	4,4'-DDD	3.3	U
1031-07-8	Endosulfan sulfate	3.3	U
50-29-3	4,4'-DDT	3.3	U
72-43-5	Methoxychlor	5.0	J/Q
53494-70-5	Endrin ketone	3.3	U
7421-93-4	Endrin aldehyde	3.3	U
5103-71-9	alpha-Chlordane	1.7	U
5103-74-2	gamma-Chlordane	1.7	U
8001-35-2	Toxaphene	170	U

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11/20/08

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1G - FORM I PEST
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

JAHE8

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036
 Lab Code: A4 Case No.: 37954 Mod. Ref No.: SDG No.: JAHD7
 Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0009680-10
 Sample wt/vol: 30.3 (g/mL) g Lab File ID: C30374.D
 % Moisture: 1.6 Decanted: (Y/N) N Date Received: 10/25/2008
 Extraction: (Type) SONC Date Extracted: 10/28/2008
 Concentrated Extract Volume: 5000 (uL) Date Analyzed: 11/03/2008
 Injection Volume: 1.0 (uL) GPC Factor: 2.0 Dilution Factor: 1.0
 GPC Cleanup: (Y/N) Y pH: 9.7 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
319-84-6	alpha-BHC	1.7	U
319-85-7	beta-BHC	1.7	U
319-86-8	delta-BHC	1.7	U
58-89-9	gamma-BHC (Lindane)	1.7	U
76-44-8	Heptachlor	1.7	U
309-00-2	Aldrin	1.7	U
1024-57-3	Heptachlor epoxide	1.7	U
959-98-8	Endosulfan I	1.7	U
60-57-1	Dieldrin	3.3	U
72-55-9	4,4'-DDE	3.3	U
72-20-8	Endrin	3.3	U
33213-65-9	Endosulfan II	3.3	U
72-54-8	4,4'-DDD	3.3	U
1031-07-8	Endosulfan sulfate	3.3	U
50-29-3	4,4'-DDT	3.3	U
72-43-5	Methoxychlor	2.4	JQ
53494-70-5	Endrin ketone	3.3	U
7421-93-4	Endrin aldehyde	3.3	U
5103-71-9	alpha-Chlordane	1.7	U
5103-74-2	gamma-Chlordane	1.7	U
8001-35-2	Toxaphene	170	U

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11/20/08

1G - FORM I PEST
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

JAHE9

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036
 Lab Code: A4 Case No.: 37954 Mod. Ref No.: SDG No.: JAHD7
 Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0009680-11
 Sample wt/vol: 30.1 (g/mL) g Lab File ID: C30375.D
 % Moisture: 1.6 Decanted: (Y/N) N Date Received: 10/25/2008
 Extraction: (Type) SONC Date Extracted: 10/28/2008
 Concentrated Extract Volume: 5000 (uL) Date Analyzed: 11/03/2008
 Injection Volume: 1.0 (uL) GPC Factor: 2.0 Dilution Factor: 1.0
 GPC Cleanup: (Y/N) Y pH: 9.8 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
319-84-6	alpha-BHC	1.7	U
319-85-7	beta-BHC	1.7	U
319-86-8	delta-BHC	1.7	U
58-89-9	gamma-BHC (Lindane)	1.7	U
76-44-8	Heptachlor	1.7	U
309-00-2	Aldrin	1.7	U
1024-57-3	Heptachlor epoxide	1.7	U
959-98-8	Endosulfan I	1.7	U
60-57-1	Dieldrin	3.3	U
72-55-9	4, 4'-DDE	3.3	U
72-20-8	Endrin	3.3	U
33213-65-9	Endosulfan II	3.3	U
72-54-8	4, 4'-DDD	3.3	U
1031-07-8	Endosulfan sulfate	3.3	U
50-29-3	4, 4'-DDT	3.3	U
72-43-5	Methoxychlor	17	U
53494-70-5	Endrin ketone	3.3	U
7421-93-4	Endrin aldehyde	3.3	U
5103-71-9	alpha-Chlordane	1.7	U
5103-74-2	gamma-Chlordane	1.7	U
8001-35-2	Toxaphene	170	U

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11/20/08

1G - FORM I PEST
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

JAHF0

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036
 Lab Code: A4 Case No.: 37954 Mod. Ref No.: SDG No.: JAHD7
 Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0009680-12
 Sample wt/vol: 30.1 (g/mL) g Lab File ID: C30372.D
 % Moisture: 1.8 Decanted: (Y/N) N Date Received: 10/25/2008
 Extraction: (Type) SONC Date Extracted: 10/28/2008
 Concentrated Extract Volume: 5000 (uL) Date Analyzed: 11/03/2008
 Injection Volume: 1.0 (uL) GPC Factor: 2.0 Dilution Factor: 1.0
 GPC Cleanup: (Y/N) Y pH: 9.5 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
319-84-6	alpha-BHC	1.7	U
319-85-7	beta-BHC	1.7	U
319-86-8	delta-BHC	1.7	U
58-89-9	gamma-BHC (Lindane)	1.7	U
76-44-8	Heptachlor	1.7	U
309-00-2	Aldrin	1.7	U
1024-57-3	Heptachlor epoxide	1.7	U
959-98-8	Endosulfan I	1.7	U
60-57-1	Dieldrin	3.3	U
72-55-9	4,4'-DDE	3.3	U
72-20-8	Endrin	3.3	U
33213-65-9	Endosulfan II	3.3	U
72-54-8	4,4'-DDD	3.3	U
1031-07-8	Endosulfan sulfate	3.3	U
50-29-3	4,4'-DDT	3.3	U
72-43-5	Methoxychlor	3.2	J/Q
53494-70-5	Endrin ketone	2.9	J/Q
7421-93-4	Endrin aldehyde	3.3	U
5103-71-9	alpha-Chlordane	1.7	U
5103-74-2	gamma-Chlordane	1.7	U
8001-35-2	Toxaphene	170	U

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11/20/08

1G - FORM I PEST
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

JAHF1

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036
 Lab Code: A4 Case No.: 37954 Mod. Ref No.: SDG No.: JAHD7
 Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0009680-13
 Sample wt/vol: 30.6 (g/mL) g Lab File ID: C30376.D
 % Moisture: 2.4 Decanted: (Y/N) N Date Received: 10/25/2008
 Extraction: (Type) SONC Date Extracted: 10/28/2008
 Concentrated Extract Volume: 5000 (uL) Date Analyzed: 11/03/2008
 Injection Volume: 1.0 (uL) GPC Factor: 2.0 Dilution Factor: 1.0
 GPC Cleanup: (Y/N) Y pH: 9.7 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
319-84-6	alpha-BHC	1.7	U
319-85-7	beta-BHC	1.7	U
319-86-8	delta-BHC	1.7	U
58-89-9	gamma-BHC (Lindane)	1.7	U
76-44-8	Heptachlor	1.7	U
309-00-2	Aldrin	1.7	U
1024-57-3	Heptachlor epoxide	1.7	U
959-98-8	Endosulfan I	1.7	U
60-57-1	Dieldrin	3.3	U
72-55-9	4,4'-DDE	3.3	U
72-20-8	Endrin	3.3	U
33213-65-9	Endosulfan II	3.3	U
72-54-8	4,4'-DDD	3.3	U
1031-07-8	Endosulfan sulfate	3.3	U
50-29-3	4,4'-DDT	3.3	U
72-43-5	Methoxychlor	17	U
53494-70-5	Endrin ketone	3.3	U
7421-93-4	Endrin aldehyde	3.3	U
5103-71-9	alpha-Chlordane	1.7	U
5103-74-2	gamma-Chlordane	1.7	U
8001-35-2	Toxaphene	170	U

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11/20/08

1G - FORM I PEST
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

JAHF2

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036
 Lab Code: A4 Case No.: 37954 Mod. Ref No.: SDG No.: JAHD7
 Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0009680-14
 Sample wt/vol: 30.2 (g/mL) g Lab File ID: C30377.D
 % Moisture: 1.5 Decanted: (Y/N) N Date Received: 10/25/2008
 Extraction: (Type) SONC Date Extracted: 10/28/2008
 Concentrated Extract Volume: 5000 (uL) Date Analyzed: 11/03/2008
 Injection Volume: 1.0 (uL) GPC Factor: 2.0 Dilution Factor: 1.0
 GPC Cleanup: (Y/N) Y pH: 8.9 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
319-84-6	alpha-BHC	1.7	U
319-85-7	beta-BHC	1.7	U
319-86-8	delta-BHC	1.7	U
58-89-9	gamma-BHC (Lindane)	1.7	U
76-44-8	Heptachlor	1.7	U
309-00-2	Aldrin	1.7	U
1024-57-3	Heptachlor epoxide	1.7	U
959-98-8	Endosulfan I	1.7	U
60-57-1	Dieldrin	3.3	U
72-55-9	4,4'-DDE	3.3	U
72-20-8	Endrin	3.3	U
33213-65-9	Endosulfan II	3.3	U
72-54-8	4,4'-DDD	3.3	U
1031-07-8	Endosulfan sulfate	3.3	U
50-29-3	4,4'-DDT	3.3	U
72-43-5	Methoxychlor	6.1	JK
53494-70-5	Endrin ketone	3.3	U
7421-93-4	Endrin aldehyde	3.3	U
5103-71-9	alpha-Chlordane	1.7	U
5103-74-2	gamma-Chlordane	1.7	U
8001-35-2	Toxaphene	170	U

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11/20/08

1G - FORM I PEST
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

JAHF3

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036
 Lab Code: A4 Case No.: 37954 Mod. Ref No.: SDG No.: JAHD7
 Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0009680-15
 Sample wt/vol: 30.6 (g/mL) g Lab File ID: C30378.D
 % Moisture: 1.4 Decanted: (Y/N) N Date Received: 10/25/2008
 Extraction: (Type) SONC Date Extracted: 10/28/2008
 Concentrated Extract Volume: 5000 (uL) Date Analyzed: 11/03/2008
 Injection Volume: 1.0 (uL) GPC Factor: 2.0 Dilution Factor: 1.0
 GPC Cleanup: (Y/N) Y pH: 9.4 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
319-84-6	alpha-BHC	1.7	U
319-85-7	beta-BHC	1.7	U
319-86-8	delta-BHC	1.7	U
58-89-9	gamma-BHC (Lindane)	1.7	U
76-44-8	Heptachlor	1.7	U
309-00-2	Aldrin	1.7	U
1024-57-3	Heptachlor epoxide	1.7	U
959-98-8	Endosulfan I	1.7	U
60-57-1	Dieldrin	3.3	U
72-55-9	4,4'-DDE	3.3	U
72-20-8	Endrin	3.3	U
33213-65-9	Endosulfan II	3.3	U
72-54-8	4,4'-DDD	3.3	U
1031-07-8	Endosulfan sulfate	3.3	U
50-29-3	4,4'-DDT	3.3	U
72-43-5	Methoxychlor	5.6	JQ
53494-70-5	Endrin ketone	3.3	U
7421-93-4	Endrin aldehyde	3.3	U
5103-71-9	alpha-Chlordane	1.7	U
5103-74-2	gamma-Chlordane	1.7	U
8001-35-2	Toxaphene	170	U

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11/20/08

1G - FORM I PEST
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

JAHF4

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036
 Lab Code: A4 Case No.: 37954 Mod. Ref No.: SDG No.: JAHD7
 Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0009680-16
 Sample wt/vol: 30.2 (g/mL) g Lab File ID: C30379.D
 % Moisture: 2.1 Decanted: (Y/N) N Date Received: 10/25/2008
 Extraction: (Type) SONC Date Extracted: 10/28/2008
 Concentrated Extract Volume: 5000 (uL) Date Analyzed: 11/03/2008
 Injection Volume: 1.0 (uL) GPC Factor: 2.0 Dilution Factor: 1.0
 GPC Cleanup: (Y/N) Y pH: 9.3 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg)ug/kg	Q
319-84-6	alpha-BHC	1.7	U
319-85-7	beta-BHC	1.7	U
319-86-8	delta-BHC	1.7	U
58-89-9	gamma-BHC (Lindane)	1.7	U
76-44-8	Heptachlor	1.7	U
309-00-2	Aldrin	1.7	U
1024-57-3	Heptachlor epoxide	1.7	U
959-98-8	Endosulfan I	1.7	U
60-57-1	Dieldrin	3.3	U
72-55-9	4,4'-DDE	3.3	U
72-20-8	Endrin	3.3	U
33213-65-9	Endosulfan II	3.3	U
72-54-8	4,4'-DDD	3.3	U
1031-07-8	Endosulfan sulfate	3.3	U
50-29-3	4,4'-DDT	3.3	U
72-43-5	Methoxychlor	4.2 17	U 56
53494-70-5	Endrin ketone	3.3	U
7421-93-4	Endrin aldehyde	3.3	U
5103-71-9	alpha-Chlordane	1.7	U
5103-74-2	gamma-Chlordane	1.7	U
8001-35-2	Toxaphene	170	U

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11/20/08

1H - FORM I ARO
AROCLOR ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

JAHD7

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036
 Lab Code: A4 Case No.: 37954 Mod. Ref No.: SDG No.: JAHD7
 Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0009680-01
 Sample wt/vol: 30.2 (g/mL) g Lab File ID: F10909.D
 % Moisture: 7.1 Decanted: (Y/N) N Date Received: 10/25/2008
 Extraction: (Type) SONC Date Extracted: 10/28/2008
 Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/30/2008
 Injection Volume: 1.0 (uL) GPC Factor: 2.0 Dilution Factor: 1.0
 GPC Cleanup: (Y/N) Y pH: 9.6 Sulfur Cleanup: (Y/N) N
 ACID Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
12674-11-2	AR1016	35	U
11104-28-2	AR1221	35	U
11141-16-5	AR1232	35	U
53469-21-9	AR1242	35	U
12672-29-6	AR1248	35	U
11097-69-1	AR1254	35	U
11096-82-5	AR1260	35	U
37324-23-5	AR1262	35	U
11100-14-4	AR1268	35	U

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11/24/08

1H - FORM I ARO
AROCLOR ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

JAHD8

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036
 Lab Code: A4 Case No.: 37954 Mod. Ref No.: SDG No.: JAHD7
 Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0009680-02
 Sample wt/vol: 30.1 (g/mL) g Lab File ID: F10910.D
 % Moisture: 24.9 Decanted: (Y/N) N Date Received: 10/25/2008
 Extraction: (Type) SONC Date Extracted: 10/28/2008
 Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/30/2008
 Injection Volume: 1.0 (uL) GPC Factor: 2.0 Dilution Factor: 1.0
 GPC Cleanup: (Y/N) Y pH: 8.3 Sulfur Cleanup: (Y/N) N
 ACID Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg)ug/kg	Q
12674-11-2	AR1016	44	U
11104-28-2	AR1221	44	U
11141-16-5	AR1232	44	U
53469-21-9	AR1242	44	U
12672-29-6	AR1248	44	U
11097-69-1	AR1254	44	U
11096-82-5	AR1260	44	U
37324-23-5	AR1262	44	U
11100-14-4	AR1268	44	U

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11/24/08

SOM01.2 (8/2007)

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1H - FORM I ARO
AROCLOR ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

JAHD9

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036
 Lab Code: A4 Case No.: 37954 Mod. Ref No.: SDG No.: JAHD7
 Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0009680-03
 Sample wt/vol: 30.4 (g/mL) g Lab File ID: F10911.D
 % Moisture: 18.2 Decanted: (Y/N) N Date Received: 10/25/2008
 Extraction: (Type) SONC Date Extracted: 10/28/2008
 Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/30/2008
 Injection Volume: 1.0 (uL) GPC Factor: 2.0 Dilution Factor: 1.0
 GPC Cleanup: (Y/N) Y pH: 8.2 Sulfur Cleanup: (Y/N) N
 ACID Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg)ug/kg	Q
12674-11-2	AR1016	40	U
11104-28-2	AR1221	40	U
11141-16-5	AR1232	40	U
53469-21-9	AR1242	40	U
12672-29-6	AR1248	40	U
11097-69-1	AR1254	40	U
11096-82-5	AR1260	40	U
37324-23-5	AR1262	40	U
11100-14-4	AR1268	40	U

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11/24/08

SOM01.2 (8/2007)

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1H - FORM I ARO
AROCLOL ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

JAHEO

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036
 Lab Code: A4 Case No.: 37954 Mod. Ref No.: SDG No.: JAHD7
 Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0009680-04
 Sample wt/vol: 30.0 (g/mL) g Lab File ID: F10913.D
 % Moisture: 48.7 Decanted: (Y/N) N Date Received: 10/25/2008
 Extraction: (Type) SONC Date Extracted: 10/28/2008
 Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/30/2008
 Injection Volume: 1.0 (uL) GPC Factor: 2.0 Dilution Factor: 1.0
 GPC Cleanup: (Y/N) Y pH: 7.1 Sulfur Cleanup: (Y/N) N
 ACID Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/kg</u>	Q
12674-11-2	AR1016	64	U
11104-28-2	AR1221	64	U
11141-16-5	AR1232	64	U
53469-21-9	AR1242	64	U
12672-29-6	AR1248	64	U
11097-69-1	AR1254	64	U
11096-82-5	AR1260	64	U
37324-23-5	AR1262	64	U
11100-14-4	AR1268	64	U

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11/24/08

1H - FORM I ARO
AROCLOR ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

JAHE1

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036
 Lab Code: A4 Case No.: 37954 Mod. Ref No.: SDG No.: JAHD7
 Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0009680-05
 Sample wt/vol: 30.0 (g/mL) g Lab File ID: F10914.D
 % Moisture: 39.1 Decanted: (Y/N) N Date Received: 10/25/2008
 Extraction: (Type) SONC Date Extracted: 10/28/2008
 Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/30/2008
 Injection Volume: 1.0 (uL) GPC Factor: 2.0 Dilution Factor: 1.0
 GPC Cleanup: (Y/N) Y pH: 7.3 Sulfur Cleanup: (Y/N) N
 ACID Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg)	Q
12674-11-2	AR1016	54	U
11104-28-2	AR1221	54	U
11141-16-5	AR1232	54	U
53469-21-9	AR1242	54	U
12672-29-6	AR1248	54	U
11097-69-1	AR1254	54	U
11096-82-5	AR1260	54	U
37324-23-5	AR1262	54	U
11100-14-4	AR1268	54	U

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11/24/08

1H - FORM I ARO
AROCLOR ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

JAHE4

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036
 Lab Code: A4 Case No.: 37954 Mod. Ref No.: SDG No.: JAHD7
 Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0009680-06
 Sample wt/vol: 30.1 (g/mL) g Lab File ID: F10915.D
 % Moisture: 8.3 Decanted: (Y/N) N Date Received: 10/25/2008
 Extraction: (Type) SONC Date Extracted: 10/28/2008
 Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/30/2008
 Injection Volume: 1.0 (uL) GPC Factor: 2.0 Dilution Factor: 1.0
 GPC Cleanup: (Y/N) Y pH: 9.2 Sulfur Cleanup: (Y/N) N
 ACID Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
12674-11-2	AR1016	36	U
11104-28-2	AR1221	36	U
11141-16-5	AR1232	36	U
53469-21-9	AR1242	36	U
12672-29-6	AR1248	36	U
11097-69-1	AR1254	36	U
11096-82-5	AR1260	36	U
37324-23-5	AR1262	36	U
11100-14-4	AR1268	36	U

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11/24/08

1H - FORM I ARO
AROCLOR ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

JAHE5

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036
 Lab Code: A4 Case No.: 37954 Mod. Ref No.: SDG No.: JAHD7
 Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0009680-07
 Sample wt/vol: 30.7 (g/mL) g Lab File ID: F10918.D
 % Moisture: 1.8 Decanted: (Y/N) N Date Received: 10/25/2008
 Extraction: (Type) SONC Date Extracted: 10/28/2008
 Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/30/2008
 Injection Volume: 1.0 (uL) GPC Factor: 2.0 Dilution Factor: 1.0
 GPC Cleanup: (Y/N) Y pH: 8.1 Sulfur Cleanup: (Y/N) N
 ACID Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/kg</u>	Q
12674-11-2	AR1016	33	U
11104-28-2	AR1221	33	U
11141-16-5	AR1232	33	U
53469-21-9	AR1242	33	U
12672-29-6	AR1248	33	U
11097-69-1	AR1254	33	U
11096-82-5	AR1260	33	U
37324-23-5	AR1262	33	U
11100-14-4	AR1268	33	U

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11/24/08
SOM01.2 (8/2007)

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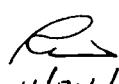
1H - FORM I ARO
AROCLOR ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

JAHE6

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036
 Lab Code: A4 Case No.: 37954 Mod. Ref No.: SDG No.: JAHD7
 Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0009680-08
 Sample wt/vol: 30.6 (g/mL) g Lab File ID: F10923.D
 % Moisture: 1.5 Decanted: (Y/N) N Date Received: 10/25/2008
 Extraction: (Type) SONC Date Extracted: 10/28/2008
 Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/31/2008
 Injection Volume: 1.0 (uL) GPC Factor: 2.0 Dilution Factor: 1.0
 GPC Cleanup: (Y/N) Y pH: 9.4 Sulfur Cleanup: (Y/N) N
 ACID Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/kg</u>	Q
12674-11-2	AR1016	33	U
11104-28-2	AR1221	33	U
11141-16-5	AR1232	33	U
53469-21-9	AR1242	33	U
12672-29-6	AR1248	33	U
11097-69-1	AR1254	33	U
11096-82-5	AR1260	33	U
37324-23-5	AR1262	33	U
11100-14-4	AR1268	33	U


11/24/08

1H - FORM I ARO
AROCLOR ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

JAHE7

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036
 Lab Code: A4 Case No.: 37954 Mod. Ref No.: SDG No.: JAHD7
 Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0009680-09
 Sample wt/vol: 30.4 (g/mL) g Lab File ID: F10924.D
 % Moisture: 2.3 Decanted: (Y/N) N Date Received: 10/25/2008
 Extraction: (Type) SONC Date Extracted: 10/28/2008
 Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/31/2008
 Injection Volume: 1.0 (uL) GPC Factor: 2.0 Dilution Factor: 1.0
 GPC Cleanup: (Y/N) Y pH: 9.4 Sulfur Cleanup: (Y/N) N
 ACID Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg)	ug/kg	Q
12674-11-2	AR1016	33		U
11104-28-2	AR1221	33		U
11141-16-5	AR1232	33		U
53469-21-9	AR1242	33		U
12672-29-6	AR1248	33		U
11097-69-1	AR1254	33		U
11096-82-5	AR1260	33		U
37324-23-5	AR1262	33		U
11100-14-4	AR1268	33		U

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11/24/08

SOM01.2 (8/2007)

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1H - FORM I ARO
AROCLOR ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

JAHE8

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036
 Lab Code: A4 Case No.: 37954 Mod. Ref No.: SDG No.: JAHD7
 Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0009680-10
 Sample wt/vol: 30.3 (g/mL) g Lab File ID: F10925.D
 % Moisture: 1.6 Decanted: (Y/N) N Date Received: 10/25/2008
 Extraction: (Type) SONC Date Extracted: 10/28/2008
 Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/31/2008
 Injection Volume: 1.0 (uL) GPC Factor: 2.0 Dilution Factor: 1.0
 GPC Cleanup: (Y/N) Y pH: 9.7 Sulfur Cleanup: (Y/N) N
 ACID Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg)ug/kg	Q
12674-11-2	AR1016	33	U
11104-28-2	AR1221	33	U
11141-16-5	AR1232	33	U
53469-21-9	AR1242	33	U
12672-29-6	AR1248	33	U
11097-69-1	AR1254	33	U
11096-82-5	AR1260	33	U
37324-23-5	AR1262	33	U
11100-14-4	AR1268	33	U

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11/24/08

1H - FORM I ARO
AROCLOL ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

JAHE9

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036
 Lab Code: A4 Case No.: 37954 Mod. Ref No.: SDG No.: JAHD7
 Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0009680-11
 Sample wt/vol: 30.1 (g/mL) g Lab File ID: F10926.D
 % Moisture: 1.6 Decanted: (Y/N) N Date Received: 10/25/2008
 Extraction: (Type) SONC Date Extracted: 10/28/2008
 Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/31/2008
 Injection Volume: 1.0 (uL) GPC Factor: 2.0 Dilution Factor: 1.0
 GPC Cleanup: (Y/N) Y pH: 9.8 Sulfur Cleanup: (Y/N) N
 ACID Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg)	ug/kg	Q
12674-11-2	AR1016	33		U
11104-28-2	AR1221	33		U
11141-16-5	AR1232	33		U
53469-21-9	AR1242	33		U
12672-29-6	AR1248	33		U
11097-69-1	AR1254	33		U
11096-82-5	AR1260	33		U
37324-23-5	AR1262	33		U
11100-14-4	AR1268	33		U

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11/24/08

SCMOL.2 (8/2007)

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1H - FORM I ARO
AROCLOL ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

JAHFO

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036
 Lab Code: A4 Case No.: 37954 Mod. Ref No.: SDG No.: JAHD7
 Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0009680-12
 Sample wt/vol: 30.1 (g/mL) g Lab File ID: F10927.D
 % Moisture: 1.8 Decanted: (Y/N) N Date Received: 10/25/2008
 Extraction: (Type) SONC Date Extracted: 10/28/2008
 Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/31/2008
 Injection Volume: 1.0 (uL) GPC Factor: 2.0 Dilution Factor: 1.0
 GPC Cleanup: (Y/N) Y pH: 9.5 Sulfur Cleanup: (Y/N) N
 ACID Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
12674-11-2	AR1016	33	U
11104-28-2	AR1221	33	U
11141-16-5	AR1232	33	U
53469-21-9	AR1242	33	U
12672-29-6	AR1248	33	U
11097-69-1	AR1254	33	U
11096-82-5	AR1260	33	U
37324-23-5	AR1262	33	U
11100-14-4	AR1268	33	U

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11/24/08

SOM01.2 (8/2007)

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1H - FORM I ARO
AROCLOR ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

JAHF1

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036
 Lab Code: A4 Case No.: 37954 Mod. Ref No.: SDG No.: JAHD7
 Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0009680-13
 Sample wt/vol: 30.6 (g/mL) g Lab File ID: F10928.D
 % Moisture: 2.4 Decanted: (Y/N) N Date Received: 10/25/2008
 Extraction: (Type) SONC Date Extracted: 10/28/2008
 Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/31/2008
 Injection Volume: 1.0 (uL) GPC Factor: 2.0 Dilution Factor: 1.0
 GPC Cleanup: (Y/N) Y pH: 9.7 Sulfur Cleanup: (Y/N) N
 ACID Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg)ug/kg	Q
12674-11-2	AR1016	33	U
11104-28-2	AR1221	33	U
11141-16-5	AR1232	33	U
53469-21-9	AR1242	33	U
12672-29-6	AR1248	33	U
11097-69-1	AR1254	33	U
11096-82-5	AR1260	33	U
37324-23-5	AR1262	33	U
11100-14-4	AR1268	33	U


11/24/08

SCM01.2 (8/2007)

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EPA SAMPLE NO.

JAHF2

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036
 Lab Code: A4 Case No.: 37954 Mod. Ref No.: SDG No.: JAHD7
 Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0009680-14
 Sample wt/vol: 30.2 (g/mL) g Lab File ID: F10929.D
 % Moisture: 1.5 Decanted: (Y/N) N Date Received: 10/25/2008
 Extraction: (Type) SONC Date Extracted: 10/28/2008
 Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/31/2008
 Injection Volume: 1.0 (uL) GPC Factor: 2.0 Dilution Factor: 1.0
 GPC Cleanup: (Y/N) Y pH: 8.9 Sulfur Cleanup: (Y/N) N
 ACID Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
12674-11-2	AR1016	33	U
11104-28-2	AR1221	33	U
11141-16-5	AR1232	33	U
53469-21-9	AR1242	33	U
12672-29-6	AR1248	33	U
11097-69-1	AR1254	33	U
11096-82-5	AR1260	33	U
37324-23-5	AR1262	33	U
11100-14-4	AR1268	33	U

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11/24/08

1H - FORM I ARO
AROCLOR ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

JAHF3

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036
 Lab Code: A4 Case No.: 37954 Mod. Ref No.: SDG No.: JAHD7
 Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0009680-15
 Sample wt/vol: 30.6 (g/mL) g Lab File ID: F10930.D
 % Moisture: 1.4 Decanted: (Y/N) N Date Received: 10/25/2008
 Extraction: (Type) SONC Date Extracted: 10/28/2008
 Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/31/2008
 Injection Volume: 1.0 (uL) GPC Factor: 2.0 Dilution Factor: 1.0
 GPC Cleanup: (Y/N) Y pH: 9.4 Sulfur Cleanup: (Y/N) N
 ACID Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
12674-11-2	AR1016	33	U
11104-28-2	AR1221	33	U
11141-16-5	AR1232	33	U
53469-21-9	AR1242	33	U
12672-29-6	AR1248	33	U
11097-69-1	AR1254	33	U
11096-82-5	AR1260	33	U
37324-23-5	AR1262	33	U
11100-14-4	AR1268	33	U

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11/24/08

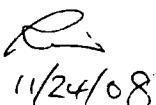
1H - FORM I ARO
AROCLOR ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

JAHF4

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036
 Lab Code: A4 Case No.: 37954 Mod. Ref No.: SDG No.: JAHD7
 Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: 0009680-16
 Sample wt/vol: 30.2 (g/mL) g Lab File ID: F10931.D
 % Moisture: 2.1 Decanted: (Y/N) N Date Received: 10/25/2008
 Extraction: (Type) SONC Date Extracted: 10/28/2008
 Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/31/2008
 Injection Volume: 1.0 (uL) GPC Factor: 2.0 Dilution Factor: 1.0
 GPC Cleanup: (Y/N) Y pH: 9.3 Sulfur Cleanup: (Y/N) N
 ACID Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
12674-11-2	AR1016	33	U
11104-28-2	AR1221	33	U
11141-16-5	AR1232	33	U
53469-21-9	AR1242	33	U
12672-29-6	AR1248	33	U
11097-69-1	AR1254	33	U
11096-82-5	AR1260	33	U
37324-23-5	AR1262	33	U
11100-14-4	AR1268	33	U


11/24/08